

NOTIFICATION

Sub: Amendments to Ordinances

The following Amendments to the Ordinances and Appendices to the Ordinances of the University passed by the Executive Council at its meeting held on 14<sup>th</sup> July, 2015 are notified for information of all concerned:

1. Amendments to Appendix II to Ordinance V (2) & VII and to all other relevant Ordinances of the University related to the under-graduate courses/papers under the Choice Based Credit System (CBCS). (E.C. 14.07.2015).

<b>Core Papers</b>		
<b>B.A. (Hons) Punjabi</b>		
<b>Semester : I</b>		
<b>C - 1</b> <b>Gurmat Poetry</b> ਗੁਰਮਤਿ ਕਾਵਿ (Gurmat Kāv)	<b>C - 2</b> <b>Modern Punjābi Story</b> ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਹਾਣੀ (Ādhunik Punjābi Kahānni)	
<b>Semester : II</b>		
<b>C- 3</b> <b>Punjābi Sufi-Poetry</b> ਪੰਜਾਬੀ ਸੂਫੀ-ਕਾਵਿ (Punjābi Sufi-Kāv)	<b>C- 4</b> <b>Medieval and Modern Punjābi Prose</b> ਮੱਧਕਾਲੀਨ ਅਤੇ ਨਵੀਨ ਪੰਜਾਬੀ ਵਾਰਤਕ (Madhkāleen ate Naveen Panjābi Vārtak)	
<b>Semester : III</b>		
<b>C- 5</b> <b>Punjābi Folklore and Culture</b> ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ ਅਤੇ ਸਭਿਆਚਾਰ (Punjābi Lokdhārā ate Sabhiāchār)	<b>C- 6</b> <b>Punjābi Novel</b> ਪੰਜਾਬੀ ਨਾਵਲ (Punjābi Novel)	<b>C- 7</b> <b>Modern Punjābi Poetry</b> ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ (Ādhunik Punjābi Kavītā)
<b>Semester : IV</b>		
<b>C- 8</b> <b>Medieval Narrative Poetry : Qissa and Balladry</b> ਮੱਧਕਾਲੀ ਬਿਰਤਾਂਤਕ ਕਾਵਿ : ਕਿੱਸਾ ਤੇ ਬੀਰ ਕਾਵਿ (Madhkālī Birtāntak Kāv : Qissā te Bir Kāv)	<b>C- 9</b> <b>Punjābi Language, Script and Grammar</b> ਪੰਜਾਬੀ ਭਾਸ਼ਾ, ਲਿੱਪੀ ਅਤੇ ਵਿਆਕਰਨ (Punjābi Bhāshā, Lippi ate Viyākarn)	<b>C- 10</b> <b>Punjābi Drāmā and One-Act Play</b> ਪੰਜਾਬੀ ਨਾਟਕ ਅਤੇ ਇਕਾਂਗੀ (Punjābi Nātak ate Ikāngī)
<b>Semester : V</b>		
<b>C- 11</b> <b>Parvāsi Punjābi Literature</b> ਪਰਵਾਸੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (Parvāsi Punjābi Sāhit)	<b>C- 12</b> <b>Theory of Literature &amp; Indian Poetics</b> ਸਾਹਿਤ ਸਿਧਾਂਤ ਅਤੇ ਭਾਰਤੀ ਕਾਵਿ-ਸ਼ਾਸਤਰ (Sāhit Sidhānt ate Bhārti Kāv-Shāstar)	

Semester : VI	
<b>C- 13</b> <b>Pākistāni Punjābi Literature</b> ਪਾਕਿਸਤਾਨੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (Pākistāni Punjābi Sāhit)	<b>C- 14</b> <b>Punjābi Criticism and Western Literary Approaches</b> ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਅਤੇ ਪੱਛਮੀ ਚਿੰਤਨ-ਪ੍ਰਣਾਲੀਆਂ (Punjābi Ālochnā ate Pachhmi Chintan Prannāliān)

**Note : All the above mentioned fourteen papers are compulsory for B.A. (H) Punjabi.**

*Elective : Discipline Specific (DSE) BA (Hons) Punjabi	
Semester : V/VI	
<b>DSE-1</b> <b>Punjābi Travelogue Literature</b> ਪੰਜਾਬੀ ਸਫ਼ਰਨਾਮਾ ਸਾਹਿਤ (Punjābi Safarnāmā Sāhit)	<b>DSE-2</b> <b>Indian Literature</b> ਭਾਰਤੀ ਸਾਹਿਤ (Bhārti Sāhit)
<b>DSE-3</b> <b>World Literature</b> ਵਿਸ਼ਵ ਸਾਹਿਤ (Vishav Sāhit)	<b>DSE-4</b> <b>Mass Movements of Punjāb and Punjābi Literature</b> ਪੰਜਾਬ ਦੀਆਂ ਲੋਕ-ਲਹਿਰਾਂ ਅਤੇ ਪੰਜਾਬੀ ਸਾਹਿਤ (Punjāb diān Lok-Laeharān ate Punjābi Sāhit)
<b>DSE-5</b> <b>Biography and Auto-Biography</b> ਜੀਵਨੀ ਅਤੇ ਸਵੈ-ਜੀਵਨੀ (Jeevani ate Swai-Jeevani)	<b>DSE-6</b> <b>Life Sketch</b> ਰੇਖਾ ਚਿੱਤਰ (Rekhā Chittar)
<b>DSE-7</b> <b>Myth Transformation and Myth Criticism</b> ਮਿਥ ਰੂਪਾਂਤਰਣ ਅਤੇ ਮਿਥ ਚਿੰਤਨ (Myth Roopāntarann ate Myth Chintan)	<b>DSE-8</b> <b>Punjābi Epic Poetry</b> ਪੰਜਾਬੀ ਮਹਾ-ਕਾਵਿ (Punjābi Mahā-Kāv)
<b>DSE-9</b> <b>Literature on Partition &amp; Punjāb holocaust</b> ਦੇਸ਼ ਵੰਡ ਅਤੇ ਪੰਜਾਬ ਸੰਤਾਪ ਬਾਰੇ ਸਾਹਿਤ (Deshvandd ate Punjāb Santāp bāre Sāhit)	<b>DSE-10</b> <b>Punjābi Balladry</b> ਪੰਜਾਬੀ ਵਾਰ ਸਾਹਿਤ (Punjābi Vār Sāhit)

**\*Optional Dissertation or Project Work in place of one Discipline Specific Elective Paper (6 Credits) in 6<sup>th</sup> Semester.**

**Elective Course : Generic  
(GE)**

**B.A. (Hons) other than Punjabi  
B.Com (Hons)  
B.Sc (Hons)**

**Semester : I/II/III/IV**

<b>GE - 1</b> Modern Punjabi Poetry and Functional Punjabi ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Ādhunik Punjabi Kavita ate Viharak Punjabi)	<b>GE - 2</b> Modern Punjabi Story and Functional Punjabi ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਹਾਣੀ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Ādhunik Punjabi Kahāni ate Viharak Punjabi)
<b>GE - 3</b> Punjabi Travologue and Functional Punjabi ਪੰਜਾਬੀ ਸਫ਼ਰਨਾਮਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjabi Safarnāmā ate Viharak Punjabi)	<b>GE - 4</b> Punjabi One-Act Play and Functional Punjabi ਪੰਜਾਬੀ ਇਕਾਂਗੀ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjabi Ikāngi ate Viharak Punjabi)
<b>GE - 5</b> Punjabi Novel and Functional Punjabi ਪੰਜਾਬੀ ਨਾਵਲ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjabi Novel ate Viharak Punjabi)	<b>GE - 6</b> Punjabi Drāmā and Functional Punjabi ਪੰਜਾਬੀ ਨਾਟਕ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjabi Nātak ate Viharak Punjabi)
<b>GE - 7</b> Punjabi Qissā and Functional Punjabi ਪੰਜਾਬੀ ਕਿੱਸਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjabi Qissā ate Viharak Punjabi)	<b>GE - 8</b> Punjabi Folklore and Functional Punjabi ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjabi Lokdhārā ate Viharak Punjabi)
<b>GE - 9</b> Parvāsi Punjabi Prose and Functional Punjabi ਪਰਵਾਸੀ ਪੰਜਾਬੀ ਵਾਰਤਕ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Parvāsi Punjabi Vārtak ate Viharak Punjabi)	<b>GE - 10</b> Media and Fuctional Punjabi ਮੀਡੀਆ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Mediā ate Viharak Punjabi)

**Ability Enhancement Compulsory Course  
(AECC)**

**MIL - Punjabi**

**B.Sc (Hons), B.Com (Hons)**

**&**

**BA (Hons) – other than Punjabi**

**Semester : I/II**

<b>AECC - MIL Punjābi A (Advance Level)</b>	<b>AECC - MIL Punjābi - B (Intermediate Level)</b>	<b>AECC - MIL Punjābi - C (Basic Level)</b>
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\* Student can opt any one out of these three Levels of Punjabi papers as per the criteria.

**Ability Enhancement Elective Course  
(AEEC)  
Skill Based Papers  
B.A. (Hons), B.Com (Hons) & B.Sc (Hons)**

Semester : III/IV

<b>AEEC - 1</b> <b>Learning Skill of Mediã and Mãss Communication</b> ਮੀਡੀਆ ਅਤੇ ਜਨ-ਸੰਚਾਰ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Mediã ate Jan-Sanchãr dã Hunar Sikhannã)	<b>AEEC - 2</b> <b>Learning Skill of Trãnslation</b> ਅਨੁਵਾਦ ਕਰਨ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Anuvãd Karan dã Hunar Sikhnnã)
<b>AEEC - 3</b> <b>Learning Skill of Ãrt of Theatre</b> ਰੰਗਮੰਚ ਕਲਾ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Rangmanch Kalã dã Hunar Sikhnnã)	<b>AEEC - 4</b> <b>Learning Skill of Computerization of Punjãbi Language</b> ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਕੰਪਿਊਟਰੀਕਰਨ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Punjãbi Bhãshã de Compurtrikaran dã Hunar Sikhnnã)

**Core Papers**  
**B.A. (Prog) & B.Com (Prog.)**

**MODERN INDIAN LANGUAGES (MIL)**

Semester : I/II

Core - MIL (Punjābi)- 1

Punjābi Novel, Drāmā and Functional Punjābi

ਪੰਜਾਬੀ ਨਾਵਲ, ਨਾਟਕ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ

(Punjābi Novel, Nātak ate Vihārak Punjābi)

Semester : III/IV

Core - MIL (Punjābi) - 2

Medieval Narrative Poetry, Auto-Biography and Functional Punjābi

ਮੱਧਕਾਲੀ ਬਿਰਤਾਂਤਕ ਕਾਵਿ, ਸਵੈ-ਜੀਵਨੀ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ

(Madhkāli Birtāntak Kāv ate Vihārak Punjābi)

**DISCIPLINE SPECIFIC CORE (DSC)**

Semester : I

DSC - 1

Modern Punjābi Story, Sufi Poetry and  
Functional Punjābi

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਹਾਣੀ, ਸੂਫੀ ਕਾਵਿ ਅਤੇ  
ਵਿਹਾਰਕ ਪੰਜਾਬੀ

(Ādhunik Punjābi Kahānni, Sufi Kāv ate  
Vihārak Punjābi)

Semester : II

DSC - 2

Gurmat Poetry, Punjābi Travelogue and  
Functional Punjābi

ਗੁਰਮਤਿ ਕਾਵਿ, ਪੰਜਾਬੀ ਸਫ਼ਰਨਾਮਾ ਅਤੇ ਵਿਹਾਰਕ  
ਪੰਜਾਬੀ

(Gurmat Kāv, Punjābi Safarnāmā ate  
Vihārak Punjābi)

Semester : III

DSC - 3

Punjābi Drāmā, Life Sketch and Functional  
Punjābi

ਪੰਜਾਬੀ ਨਾਟਕ, ਰੇਖਾ ਚਿੱਤਰ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ

(Punjābi Nātak, Rekhā Chittar ate Vihārak  
Punjābi)

Semester : IV

DSC- 4

Punjābi Novel, Modern Punjābi Poetry and  
Functional Punjābi

ਪੰਜਾਬੀ ਨਾਵਲ, ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਅਤੇ  
ਵਿਹਾਰਕ ਪੰਜਾਬੀ

(Punjābi Novel, Ādhunik Punjābi Kavita ate  
Vihārak Punjābi)

**\*Elective : Discipline Specific  
(DSE)**

**BA (Prog.) & B.Com (Prog.)**

Semester : V/VI

<p align="center"><b>DSE-1</b> Marginalized Punjābi Literature ਪੰਜਾਬੀ ਦਲਿਤ ਸਾਹਿਤ (Punjābi Dalit Sāhit)</p>	<p align="center"><b>DSE-2</b> Punjābi Feminist Literature ਪੰਜਾਬੀ ਨਾਰੀ ਸਾਹਿਤ (Punjābi Nāri Sāhit)</p>
<p align="center"><b>DSE-3</b> History of Punjābi Literature (from Beginning Period to 1900 A.D.) ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (ਆਦਿ ਕਾਲ ਤੋਂ 1900 ਤੱਕ) (Punjābi Sāhit dā Itihās) (Ādi-Kāl ton 1900 tak)</p>	<p align="center"><b>DSE-4</b> History of Punjābi Literature (from 1900 A.D. to present) ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (1900 ਤੋਂ ਸਮਕਾਲ ਤੱਕ) (Punjābi Sāhit dā Itihās) (1900 ton Samkāl tak)</p>
<p align="center"><b>DSE-5</b> Comparative Study of Indian and Pakistani Modern Punjabi Poetry ਭਾਰਤੀ ਅਤੇ ਪਾਕਿਸਤਾਨੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦਾ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ (Bhārti ate Pākistāni Ādhunik Punjābi Kavitā dā Tulnātmak Adhiyan)</p>	<p align="center"><b>DSE-6</b> Sufi and Gurmat Poetry ਸੂਫੀ ਅਤੇ ਗੁਰਮਤਿ ਕਾਵਿ (Sufi ate Gurmat Kāv)</p>
<p align="center"><b>DSE-7</b> Punjābi Historical Novel ਪੰਜਾਬੀ ਇਤਿਹਾਸਕ ਨਾਵਲ (Punjābi Itihāsak Novel)</p>	<p align="center"><b>DSE-8</b> Medieval and New Punjābi Prose ਮੱਧਕਾਲੀਨ ਅਤੇ ਨਵੀਨ ਪੰਜਾਬੀ ਵਾਰਤਕ Madhkāleen ate Naveen Punjābi Vārtak</p>
<p align="center"><b>DSE-9</b> Punjābi Gadar Poetry and Revolutionary Movements ਪੰਜਾਬੀ ਗ਼ਦਰ ਕਾਵਿ ਅਤੇ ਕ੍ਰਾਂਤੀਕਾਰੀ ਲਹਿਰਾਂ (Punjābi Gadar Kāv ate Krāntikāri Laehrān)</p>	

\*Optional Dissertation or Project Work in place of one Discipline Specific Elective Paper (6 Credits) in 6<sup>th</sup> Semester.

**Elective Course : Generic  
(GE)  
B.A. (Prog.) & B.Com (Prog.)**

Semester : V/VI

<p><b>GE - 1</b> Punjābi Drāmā and Functional Punjābi ਪੰਜਾਬੀ ਨਾਟਕ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Nātak ate Vihārak Punjābi)</p>	<p><b>GE - 2</b> Modern Punjābi Story and Functional Punjābi ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਹਾਣੀ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Ādhunik Punjābi Kahānni ate Vihārak Punjābi)</p>
<p><b>GE - 3</b> Punjābi Novel and Functional Punjābi ਪੰਜਾਬੀ ਨਾਵਲ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Novel ate Vihārak Punjābi)</p>	<p><b>GE - 4</b> Punjābi Epic and Functional Punjābi ਪੰਜਾਬੀ ਮਹਾ-ਕਾਵਿ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Mahā-Kāv ate Vihārak Punjābi)</p>
<p><b>GE - 5</b> Punjābi Long Poem and Functional Punjābi ਪੰਜਾਬੀ ਲੰਮੀ ਕਵਿਤਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Lammi Kavita ate Vihārak Punjābi)</p>	<p><b>GE - 6</b> Gurbānni and Functional Punjābi ਗੁਰਬਾਣੀ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Gurbānni ate Vihārak Punjābi)</p>
<p><b>GE - 7</b> Punjābi Travlogue and Functional Punjābi ਪੰਜਾਬੀ ਸਫ਼ਰਨਾਮਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Safarnāmā ate Vihārak Punjābi)</p>	<p><b>GE - 8</b> Punjābi Essays and Functional Punjābi ਪੰਜਾਬੀ ਨਿਬੰਧ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Nibandh ate Vihārak Punjābi)</p>
<p><b>GE - 9</b> Pākistāni Drāmā and Fuctional Punjābi ਪਾਕਿਸਤਾਨੀ ਨਾਟਕ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Pākistāni Nātak ate Vihārak Punjābi)</p>	



**Ability Enhancement Compulsory Course  
(AECC)**

**MIL - Punjabi**

**B.A. (Prog.), B.Com (Prog.) & B.Sc (Prog.)**

Semester : I/II

**AECC - MIL  
Punjābi A  
(Advānce Level)**

**AECC - MIL  
Punjābi - B  
(Intermediate Level)**

**AECC - MIL  
Punjābi - C  
(Basic Level)**

\* Student can opt any one out of these three Levels of Punjabi papers as per the criteria.

**Ability Enhancement Elective Course  
(AEEC)\***

**Skill Based Papers  
BA (Prog.) & B.Com (Prog.)**

Semester : III/IV/V/VI

<p><b>AEEC - 1</b> Learning Skill of Film Making ਫ਼ਿਲਮਸਾਜ਼ੀ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Filmsāzi dā Hunar Sikhannā)</p>	<p><b>AEEC - 2</b> Learning Skill of Punjābi Lexicogrāphy ਪੰਜਾਬੀ ਕੋਸ਼ਕਾਰੀ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Punjābi Koshkāri dā Hunar Sikhannā)</p>
<p><b>AEEC - 3</b> Learning Skill of Creative Writing ਸਿਰਜਨਾਤਮਕ ਲੇਖਣ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Sirjnnātmak Lekhann dā Hunar Sikhnnā)</p>	<p><b>AEEC - 4</b> Learning Skill of Drāmā and Theatre ਨਾਟਕ ਅਤੇ ਰੰਗਮੰਚ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Nātak ate Rangmanch dā Hunar Sikhnnā)</p>

**B.A. (HONS.) IN PSYCHOLOGY**

SEMESTER	CORE COURSE (14)	ABILITY ENHANCEMENT COMPULSORY COURSE (AECC) (2)	ABILITY ENHANCEMENT ELECTIVE COURSE (AECC) (2) (SKILL BASED)	ELECTIVE DISCIPLINE SPECIFIC DSE (4)	ELECTIVE GENERIC (GE) (4)
I	<b>C-PSY-01</b> Introduction to Psychology (Theory+ Practical)	Environmental Science			GE-1
	<b>C-PSY-02</b> Statistical Methods for Psychological Research-I (Theory+ Tutorial)				
II	<b>C-PSY-03</b> Biopsychology (Theory+ Tutorial)	English Communication			GE-2
	<b>C-PSY-04</b> Psychology of Individual Differences (Theory+ Practical)				
III	<b>C-PSY-05</b> Development of Psychological Thought (Theory+ Tutorial)		AECC-1		GE-3
	<b>C-PSY-06</b> Psychological Research (Theory+ Practical)				
	<b>C-PSY-07</b> Social Psychology (Theory+ Tutorial)				
IV	<b>C-PSY-08</b> Understanding Psychological Disorders (Theory+ Tutorial)		AECC-2		GE-4
	<b>C-PSY-09</b> Statistical Methods for Psychological Research-II (Theory+ Tutorial)				
	<b>C-PSY-10</b> Applied Social Psychology (Theory+ Practical)				
V	<b>C-PSY-11</b> Understanding and Dealing with Psychological Disorders (Theory+ Practical)			DSE-1	
	<b>C-PSY-12</b> Developmental Psychology (Theory+ Practical)			DSE-2	
VI	<b>C-PSY-13</b> Organizational Behavior (Theory+ Practical)			DSE-3	
	<b>C-PSY-14</b> Counseling Psychology (Theory+ Practical)			DSE-4	

**ELECTIVE: DISCIPLINE SPECIFIC DSE (ANY 4) (2 IN SEMESTER- V AND 2 IN SEMESTER-VI):**

- DSE-PSY-01: Positive Psychology (Theory+ Practical)
- DSE-PSY-02: Human Resource Management (Theory+ Practical)
- DSE-PSY-03: Health Psychology (Theory+ Practical)
- DSE-PSY-04: Community Psychology (Theory+ Practical)
- DSE-PSY-05: Cultural and Indigenous Psychology (Theory+ Practical)
- DSE-PSY-06: Project/Dissertation (VI Semester)
- DSE-PSY-07 Psychological Perspective in Education (Theory+ Practical)
- DSE-PSY-08: Psychology of Disability (Theory+ Practical)
- DSE-PSY-09: Psychology of Peace (Theory+ Practical)

**ELECTIVE: GENERIC (GE) (ANY 4, 1 EACH IN SEMESTER I, II, III AND IV):**

- GE-PSY-01: General Psychology (Theory+ Tutorial)
- GE-PSY-02: Youth, Gender and Identity (Theory+ Tutorial)
- GE-PSY-03: Psychology for Health and Well-being (Theory+ Tutorial)
- GE-PSY-04: Psychology at Work (Theory+ Tutorial)
- GE-PSY-05: Psychology and Media (Theory+ Tutorial)
- GE-PSY-06: Inter-group Relations (Theory+ Tutorial)
- GE-PSY-07: Youth Psychology (Theory+ Tutorial)

**ABILITY ENHANCEMENT ELECTIVE COURSE (AEEC) (SKILL BASED) (ANY 2: 1 IN SEMESTER III AND 1 IN SEMESTER IV):**

- AEEC-PSY-01: Emotional Intelligence (Theory+ Tutorial)
- AEEC-PSY-02: Stress Management (Theory+ Tutorial)
- AEEC-PSY-03: Effective Decision Making (Theory+ Tutorial)
- AEEC-PSY-04: Educational Psychology (Theory+ Tutorial)
- AEEC-PSY-05: Selection and Training (Theory+ Tutorial)
- AEEC-PSY-06: Personal Growth and Development (Theory+ Tutorial)
- AEEC-PSY-07: Psychological Skills in organization (Theory+ Tutorial)

# B.A. (Hons.) Applied Psychology

<b>SEMESTER</b>	<b>CORE COURSE (14)</b>	<b>ABILITY ENHANCEMENT COMPULSORY COURSE (AECC) (2)</b>	<b>ABILITY ENHANCEMENT ELECTIVE COURSE (AECC)(2) (SKILL BASED)</b>	<b>ELECTIVE DISCIPLINE SPECIFIC DSE (4)</b>	<b>ELECTIVE GENERIC (GE) (4)</b>
<b>I</b>	<b>C 1</b> Introduction to Psychology- I (Theory + Practical) (100+100)	Environmental Science			GE-1
	<b>C 2</b> Research Methodology & Data Processing in Psychology- I (Theory + Tutorial) (100)				
<b>II</b>	<b>C 3</b> Introduction to Psychology-II (Theory + Practical) (100+ 100)	English Communication			GE-2
	<b>C 4</b> Research Methodology & Data Processing in Psychology- II (Theory +Tutorial) (100)				
<b>III</b>	<b>C 5</b> Applied Social Psychology- I (Theory+ Practical) (100+ 50)		AEEC-1		GE-3
	<b>C 6</b> Life Span Development (Theory + Practical) (100+ 50)				
	<b>C 7</b> Systems in Psychology (Theory + Tutorial) (100)				
<b>IV</b>	<b>C 8</b> Applied Social Psychology- II (Theory + Practical) (100+ 100)		AEEC-2		GE-4
	<b>C 9</b> Health Psychology (Theory + Tutorial) (100)				

	<b>C 10</b> Counseling Psychology (Theory + Practical) (100)				
V	<b>C 11</b> Understanding Psychological Disorders- I (Theory + Practical) (100+ 50)			DSE-1	
	<b>C 12</b> Foundation of Industrial/ Organizational Psychology- II (Theory + Practical) (100+ 50)			DSE-2	
VI	<b>C 13</b> Understanding Psychological Disorders- II (Theory + Practical) (100+ 50)			DSE-3	
	<b>C 14</b> Foundation of Industrial/ Organizational Psychology- II (Theory + Practical ) (100+ 50)			DSE-4	

ABILITY ENHANCEMENT ELECTIVE COURSE (AEEC) (SKILL BASED) (ANY 2, 1 IN SEMESTER III AND 1 IN SEMESTER IV):

1. Stress Management (Theory+ Practical)
2. Effective Leadership (Theory+ Practical)
3. Communication Competence (Theory+ Practical)

ELECTIVE DISCIPLINE SPECIFIC DSE (ANY 4) (2 IN SEMESTER V AND 2 IN SEMESTER VI):

1. Understanding Psychology (Theory+ Practical)
2. Youth Psychology (Theory+ Practical)
3. Living in Media World (Theory+ Practical)
4. Psychology at Work (Theory+ Practical)
5. Project/Dissertation
6. Psychology of Peace (Theory+ Practical)

ELECTIVE GENERIC (GE) (ANY 4, 1 EACH IN SEM 1, 2, 3 AND 4)

1. Community Psychology (Theory+ Tutorial)
2. Psychology for Living (Theory+ Tutorial)
3. Diagnostic Psychology (Theory+ Tutorial)
4. Environmental Psychology ((Theory+ Tutorial)
5. Intergroup Relations (Theory+ Tutorial)

# B.A. (Prog.) Psychology

Semester	CORE COURSE (12)	ABILITY ENHANCEMENT COMPULSORY COURSE (AECC) (2)	ABILITY ENHANCEMENT ELECTIVE COURSE (AEEC) (2)	Discipline Specific Elective DSE (4)	Generic Elective (GE) (4)
I	English/ MIL-1	(English/MIL Communication)/ Environmental Science			
	DSC-PSY-1A: Foundations of Psychology (Theory + Practical)				
	DSC-2A				
II	MIL/English-1	Environmental Science/ (English/MIL Communication)			
	DSC-PSY-1B: Introduction to Social Psychology (Theory + Tutorial)				
	DSC-2B				
III	English/ MIL-2		AEEC-1		
	DSC-PSY-1C: Understanding Psychological Distress and Well-being (Theory+ Tutorial)				
	DSC-2C				
IV	MIL/English-2		AEEC-2		
	DSC-PSY-1D: Statistical Methods and Psychological Research (Theory + Practical)				
	DSC-2D				
V			AEEC-3	DSE-1 A	GE-1
				DSE-2 A	
VI			AEEC-4	DSE-1 B	GE-2
				DSE-2 B	



**ELECTIVE: DISCIPLINE SPECIFIC DSE (Any 2) (1 in Semester V and 1 in Semester VI):**

DSE-PSY-1Aa: Life span development (Theory+ Practical)

DSE-PSY-1Ab: Industrial/ Organizational Psychology (Theory+ Practical)

DSE-PSY-2Ba: Counseling Psychology (Theory+ Practical)

DSE-PSY-2Bb: Project/ Dissertation (6<sup>th</sup> semester)

**ABILITY ENHANCEMENT ELECTIVE COURSE (AEEC) (SKILL BASED) (Any 4, 1 each in Semester III, IV, V and VI):**

AEEC-PSY-P-01: Developing emotional competence (Theory+ Tutorial)

AEEC-PSY-P-02: Managing Stress (Theory+ Tutorial)

AEEC-PSY-P-03: Making decisions (Theory+ Tutorial)

AEEC-PSY-P-04: Psychology in education (Theory+ Tutorial)

AEEC-PSY-P-05: Managing human resources (Theory+ Tutorial)

AEEC-PSY-P-06: Applications of social psychology (Theory+ Tutorial)

**ELECTIVE: GENERIC (GE) (Any 2, 1 each in Semester 5 and 6):**

GE-PSY-P-01: Psychology for Living (Theory+ Tutorial)

GE-PSY-P-02: Psychology of Gender (Theory+ Tutorial)

GE-PSY-P-03: Self and Personal Growth (Theory+ Tutorial)

## B.A. (Hons.) Philosophy

		CORE COURSE (14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DSE (4)	Generic Elective GE (4)
Semester-1	I	C1 • Indian Philosophy				GE-1,2,3 & 4  1. Ethics in the Public Domain 2. Formal Logic/ Symbolic logic  3. Feminism  4. Bio Ethics
		C2 • Logic				
Semester-2	II	C3 • Greek Philosophy				
		C4 • Ethics				
Semester-3	III	C5 • Western Philosophy: Descartes to Kant		Critical Thinking		
		C6 • Social & Political Philosophy: Indian and Western				
		C7 • Applied Ethics				
Semester-4	IV	C8 • Text of Indian Philosophy		Art and Film Appreciation		
		C9 • Text of Western Philosophy				
		C10 • Truth Functional Logic				
Semester-5	V	C11 • Analytic Philosophy			DSE-1,2,3 & 4	
		C12 11. Continental Philosophy			1. Philosophy of Mind 2. Philosophy of Law 3. Aesthetics, 4. Philosophy of Logic 5. Philosophy of Science 6. Indian Materialism 7. Indian Theories of Consciousness 8. Knowledge & Skepticism 9. Feminism 10. Bio-Ethics	
Semester-6	VI	C13 12. Philosophy of Religion(Indian & Western)				
		C14 13. Philosophy of Language(Indian & Western)				

## B.A. (PROGRAMME) PHILOSOPHY

	CORE COURSE (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DSE (4)	Generic Elective GE (2)
I	English/MIL-1				INDUCTIVE LOGIC
	DSC - 1 A • LOGIC				
	DSC -2 A •				
II	MIL/English - 1				FUNDAMENTAL OF INDIAN PHILOSOPHY
	DSC 1 B • ETHICS				
	DSC 2 B •				
III	English/MIL-1		ETHICAL DECISION MAKING		TECNOLOGY AND ETHICS
	DSC 1 C • INDIAN PHILOSOPHY				
	DSC 2 C				
IV	MIL/English - 1		Yoga Philosophy		PHILOSOPHICAL THOUGHT OF AMBEDKAR
	DSC 1 D WESTERN PHILOSOPHY				
	DSC 2 D •				
V				DSE 1 A, 2A, 1 B & 2 B 1. Philosophy of Religion 2. Applied Ethics 3. Social and Political philosophy 4. Feminism 5. Aesthetics	
VI				6. Buddhism 7. Jainism 8. Vedic value system 9. Greek Philosophy	

## B.A. (Honours) Persian

Semester	Core Course (14)	Ability Enhancement Compulsory Course (AECC) (2)	Ability Enhancement Elective Course (AEEC) (2)	Discipline Specific Elective (DSE) (4)	Generic Elective (GE) (4)
Sem-I	C-PRN - I Applied Persian Grammar & Translation	Environmental Science			GE-01
	C-PRN - II An outline of the History of Persian speaking regions (upto Ghaznavids period)				
Sem-II	C-PRN - III Introduction to Persian Prose & Poetry	English-Communication/ /MIL Persian A/B*			GE-02
	C-PRN - IV History of Indo- Persian Literature, Prose, Poetry and Rhetoric				
Sem-III	C-PRN - V Modern Persian Prose		AEEC-01		GE-03
	C-PRN - VI Modern Persian Poetry				
	C-PRN - VII Classical Persian Prose				
Sem-IV	C-PRN - VIII Classical Persian Poetry		AEEC-02		GE-04
	C-PRN - IX Indo-Persian Prose				
	C-PRN - X Indo-Persian Poetry				
Sem-V	C-PRN - XI Sufistic Persian Literature			DSE-01	
	C-PRN - XII Ethical Persian Literature			DSE-02	
Sem-VI	C-PRN - XIII Essay and Translation			DSE-03	
	C-PRN - XIV Spoken Persian & Interpretation: Viva-voce			DSE-04	

- \* Note: 1) Those students who have studied Persian up to X/XII standard are eligible for opting Persian Course A.  
2) Those students who have not studied Persian at any level they can take admission in Course B.

**Elective: Discipline Specific DSE (Any 4 Papers) (2 Papers in Semester – V and 2 Papers in Semester - VI):**

- DSE-01 - History of Persian Literature during Safavid Period (1501-1736)  
DSE-02 - History of Persian Literature during Mughal Period (1526-1707)  
DSE-03 - History of Persian Literature during Qajar Period (1757-1921)  
DSE-04 - History of Persian Literature during Pahlavi Period & Post Islamic Revolution in Iran (1925 – till date)  
DSE-05 - Persian Translation of Indian writings during Mughal Period  
DSE-06 - Short Story writing in Modern Persian: A Survey  
DSE-07 - A Survey of Persian Newspapers in India (18<sup>th</sup> & 19<sup>th</sup> Century)  
DSE-08 - A History of Dari & Tajik Literature  
DSE-09 - Development of Persian Literature in Awadh  
DSE-10 - Development of Persian Literature in Deccan

**Elective: Generic (GE) Any 4 Papers, 1 Paper each in Semester I, II, III and IV):**

- GE-PRN - 01 Introduction to Elementary Persian Language – I  
GE-PRN - 02 Introduction to Intermediary level Persian  
GE-PRN - 03 Functional Persian Grammar  
GE-PRN - 04 Spoken Persian – Elementary level  
GE-PRN - 05 Spoken Persian Advanced level  
GE-PRN - 06 Persian Newspaper and Journal Reading

**Ability Enhancement Elective Course (AEEC) (Skill Based) (Any 2 Papers: 1 Paper in Semester III & 1 Paper in Semester IV):**

- AEEC-PRN-01 Indo-Persian Literature: A brief History (13<sup>th</sup> - 16<sup>th</sup> Century)  
AEEC-PRN-02 Indo-Persian Literature: A brief History (16<sup>th</sup> - 19<sup>th</sup> Century)  
AEEC-PRN-03 Modern Persian Literature  
AEEC-PRN-04 Introduction to Persian Rhetoric

**Ability Enhancement Compulsory Course**  
**Modern Indian Language (MIL) – Persian - A:**

MIL-PRN-A

**Ability Enhancement Compulsory Course**  
**Modern Indian Language (MIL) – Persian - B:**

MIL-PRN-B

# B.A. (Prog.) Persian

Semester	Core Course(12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective (DSE) (4)	Generic Elective (GE) (4)
Sem-I	Applied Persian Grammar	Environmental Science			
Sem-II	Persian Prose: Some Selections	MIL – Persian*			
Sem-III	Persian Poetry: Introduction to Genres & Some Selections		SEC-01		
Sem-IV	Essay & Translation		SEC-02		
Sem-V			SEC-03	DSE-01	GE-01
				DSE-02	GE-02
Sem-VI			SEC-04	DSE-03	GE-03
				DSE-04	GE-04

- \* Note: 1) Those students who have studied Persian up to X/XII standard are eligible for opting Persian Course A.  
2) Those students who have not studied Persian at any level they can take admission in Course B.

**Discipline Specific Elective (DSE) (4) (Any two of the following Courses)**

- DSE-PRN-01 Modern Persian Short-Story Writing
- DSE-PRN-02 Spoken Persian and Interpretation
- DSE-PRN-03 History of Persian Literature during Safavid Period
- DSE-PRN-04 History of Persian Literature during Mughal Period

**Generic Elective (GE) (4) (Any two of the following Courses)**

- GE-PRN-01 Introduction to Elementary Persian
- GE-PRN-02 Elementary Persian Grammar
- GE-PRN-03 Spoken Persian
- GE-PRN-04 Persian Language

**Skill Enhancement Course (SEC) (4) (Any two of the following Courses)**

- SEC-PRN-01 Indo-Persian Literature: A brief History (13<sup>th</sup> - 16<sup>th</sup> Century)
- SEC-PRN-02 Indo-Persian Literature: A brief History (16<sup>th</sup> -19<sup>th</sup> Century)
- SEC-PRN-03 Modern Persian Literature
- SEC-PRN-04 Ghazal-writing in Persian

**Ability Enhancement Compulsory Course**

Modern Indian Language (MIL) – Persian - A:  
MIL-PERSIAN-A

**Ability Enhancement Compulsory Course**

Modern Indian Language (MIL) – Persian - B:  
MIL-PERSIAN-B

**B.A. (HONS.) BENGALI**

<b>Semester</b>	<b>Course</b>	<b>Credit</b>	<b>Name of the Paper</b>
I	I	5+1	Development Of Language And Script
	II	5+1	Language Varieties
II	III	5+1	Oral Tradition:Folktale, Songs And Myths
	IV	5+1	History Of Bengali And Literature
III	V	5+1	History Of Literature
	VI	5+1	Poetics,Prosody And Current Trends In Literature
	VII	5+1	Indian Literature: Study Of Important Author(S)
IV	VIII	5+1	Study Of A Text
	IX	5+1	Bengali Novel, Selected Texts
V	X	5+1	Bengali Shorty Story:
VI	XI	5+1	Bengali Play
	XII	5+1	Bengali Poetry
VII	XIII	5+1	Autobiography/Biography/Travelogue
	XIV	5+1	Bengali Non-Fictional Writings And Essays
<b>Discipline Specific Elective (4)</b>			
	I	5+1	Functional Grammar of the Language
	II	5+1	Research Methodology and Report Writing (Project Work)
	III	5+1	Fiction
	IV	5+1	Science Fiction
	V	5+1	Regional Literature (In Translation)
<b>Generic Elective (4)</b>			
	I	5+1	Practical Translation of Knowledge based Textbooks and Documents
	II	5+1	Creative Writing
	III	5+1	Language in Media: Journalistic Writing (Reporting & Editing)
	IV	5+1	Official Writings (Noting/Drafting, Letter Writing)
<b>Ability Enhancement</b>			
	I	5+1	Enviromental Science
	II	5+1	MIL Communication
<b>Skill Enhancement (Any Two)</b>			
	I	5+1	Language in Advertisement
	II	5+1	Language in Film



Assamese, Bengali, Gujarati, Manipuri, Odia, Sindhi, Tamil, Telugu) papers in B.A. (Programme)

ASSAMESE

Semester	Course		Name of the Paper
I	I	5+1	History of Assamese Language and Script
	II	5+1	Language Varieties
II	III	5+1	Functional Grammar of Assamese
	IV	5+1	Cultural Behaviour of the Assamese
III	V	5+1	Oral Traditions: Folk tales, Folk songs and myths
	VI	5+1	Folk and Performing Art
	VII	5+1	History of Assamese Literature (Ancient to Medieval period)
IV	VIII	5+1	History of Assamese Literature (Modern to Contemporary)
	IX	5+1	Study of an Important Author
V	X	5+1	Study of an Important Text
VI	XI	5+1	Selected Texts: Novels and Short Stories
	XII	5+1	Selected Texts: Poetry and Plays
Elective Courses (Any six course to be chosen)			
	I	5+1	Cultural History of the Assamese
	II	5+1	Literary Terms
	III	5+1	Science Fiction and Fantasy
	IV	5+1	Essay Writing
	V	5+1	Autobiography
	VI	5+1	Children's Literature
	VII	5+1	Lexicography: Dictionary and Encyclopedia
	VIII	5+1	Language and its use in Computer
	IX	5+1	Editing and compiling
	X	5+1	Language use and Registers
Skill Enhancement (Any Four)			
	I	5+1	Language in Advertisement
	II	5+1	Language in Film
	III	5+1	Language of Printing and Publishing
	IV	5+1	Language of Speech (Preparation of Speech)
	V	5+1	Dialogue writing for plays and film
	VI	5+1	Art of Translation/Practical Translation

BENGALI			
Semester	Course		Name of the Paper
I	I	5+1	History of Indian Language(Bengali)
	II	5+1	Language Varieties
II	III	5+1	Functional Grammar of the Language (Skill in Language use)
	IV	5+1	Cultural Behavior of the language community
III	V	5+1	Oral Traditions: Folk tales, songs and myths
	VI	5+1	Folk and Performing Art
	VII	5+1	History of Literature
IV	VIII	5+1	History of Literature (Modern & Contemporary)
	IX	5+1	Study of an Important Author
V	X	5+1	Study of an Important Text
VI	XI	5+1	Selected Texts: Novels and Short Stories
	XII	5+1	Selected Texts: Poetry and Plays
Elective Courses			
	I	5+1	History of Culture of the Linguistic Community
	II	5+1	Science Fiction and Fantasy
	III	5+1	Essay Writing
	IV	5+1	Autobiography/Biography
	V	5+1	Children's Literature
	VI	5+1	Editing & Compiling
Skill Enhancement			
	I	5+1	Language in Advertisement
	II	5+1	Language in Film
	III	5+1	Language of Printing and Publishing
	IV	5+1	Art of Translation/Practical Translation

GUJARATI			
Semester	Course		Name of the Paper
I	I		History of Gujarati Language
	II		Language Varieties: Gujarati
II	III		Functional Gujarati Grammar
	IV		Culture of the Gujarat
III	V		Oral Traditions in Gujarati Language: Folktales, Songs and Myths
	VI		Folk and Performing Art
	VII		History of Gujarati Literature (Medieval)
IV	VIII		History of Gujarati Literature (Modern)
	IX		Gujarati Literature: Study of Important Author
V	X		Gujarati Literature: Study of an Important Text
VI	XI		Selected Texts: Novels and Short Story
	XII		Selected Play
Elective Courses (Any six courses have to be opted)			
	I		Functional Grammar of the Language
	II		Research Methodology and Report Writing (Project Work)
	III		Different Poetical forms
	IV		Fictious: Historical/Social
	V		Science Fiction
	VI		Analytical Techniques in Literature
	VII		Essay/Critical Essay Writing
	VIII		Regional Literature
	IX		Exclusive Literary Terms
Skill Enhancement			
	I		Language in Advertisement
	II		Language in Films
	III		Language Printing and Publishing
	IV		Art of Translation/Practical Translation
Elective Courses			
	I		History of Culture of the Linguistic Community
	II		Specific Literary Terms (East & West)
	III		Science Fiction and Fantasy
	IV		Essay/Critical Essay Writing
	V		Autobiography/Biography
	VI		Children's Literature
	VII		Lexicography: Dictionary and Encyclopedia
	VIII		Language and its use in Computer
	IX		Editing and Compiling
	X		Language Use and Registers

MANIPURI			
Semester	Course		Name of the Paper
I	I		History of Manipuri Language
	II		Language Varieties
II	III		Functional Manipuri Grammar
	IV		Cultural Behaviour of Manipuri Speaking People
III	V		Oral Traditions: Folktales, FolkSongs and Myths
	VI		Folk and Performing Art
	VII		History of Manipuri Literature (Ancient and Medieval Period)
IV	VIII		History of Manipuri Literature (Modern and Contemporary Period)
	IX		Gujarati Literature: Study of Important Authors
V	X		Gujarati Literature: Study of an Important Text
VI	XI		Selected Texts: Novels and Short Story
	XII		Selected Texts: Poetry and Plays
Elective Courses (Any six courses have to be opted)			
	I		Cultural History of the Manipuris
	II		Specific Literary Terms
	III		Science Fictions and Fantasy
	IV		Essay Writing
	V		Autobiography/Biography
	VI		Children's Literature
	VII		Lexicography: Dictionary and Encyclopedia
	VIII		Language and its use in Computer
	IX		Editing and Compiling
	X		Language Use and Registrars
Skill Enhancement Courses (Any four)			
	I		Language in Advertisement
	II		Language in Films
	III		Language of Printing and Publishing
	IV		Language of Speech (Preparation of Speech)
	V		Dialogue Writing for Plays and Films
	VI		Art of Translation/Practical Translation

ODIA		
Semester	Course	Name of the Paper
I	I	History of Odia Language
	II	Language Varieties of Odia
II	III	Functional Grammar of Odia
	IV	Cultural Behaviour of the Odias
III	V	Oral Traditions in Odia Language: Folktales, Songs and Myths
	VI	Folk and Performing Art
	VII	History of Odia Literature (Ancient and Medieval Period)
IV	VIII	History of Odia Literature (Modern to Contemporary)
	IX	Study of an Important Authors
V	X	Study of an Important Text
VI	XI	Selected Texts: Novels and Short Story
	XII	Selected Poetry and Plays
Elective Courses (Any six courses have to be opted)		
	I	Cultural History of Odisha
	II	Literary Terms (East & West)
	III	Science Fiction
	IV	Essay/Critical Essay Writing
	V	Autobiography/Biography
	VI	Children's Literature
	VII	Lexicography: Dictionary and Encyclopedia
	VIII	Language and its use in Computer
	IX	Editing and Compiling (General)
	X	Language Use and Registrars
Skill Enhancement Courses (Any four)		
	I	Language in Advertisement
	II	Language in Films
	III	Language Requirement in Printing and Publishing
	IV	Language of Speech
	V	Dialogue Writing for Plays and Films
	VI	Art of Translation/Practical Translation

SINDHI		
Semester	Course	Name of the Paper
I	I	History of Sindhi Language and Scripts
	II	Language Varieties (Dialects)
II	III	Functional Grammar of Sindhi Language
	IV	Cultural Behaviour of Sindhi Language Community
III	V	Sindhi Oral Traditions: Folktales, Songs and Myths
	VI	Sindhi Folk and Performing Art
IV	VII	History of Sindhi Literature (Ancient and Medieval Period)
	VIII	History of Sindhi Literature (Modern to Contemporary)
	IX	Study of an Important Sindhi Authors (Shah Abdul Latif)
	X	Study of an Important Sindhi Text (Kishanchand Bewas)
VI	XI	Selected Sindhi Texts (Novels and Short Story)
	XII	Selected Sindhi Text (Poetry and Plays)
Elective Course		
	I	History of Sindhi Language
	II	History of Sindhi Literature
	III	Sindhi Literature: Socio-cultural Background
	IV	Prose: Fictional and Non-Fictional
	V	Poetry and drama
	VI	Literature in Translation
Skill based Course		
	I	Sindhi Language: Functional Grammar and Skills of Language use
	II	Study of Literary Text-I
	III	Journalistic Writings and Translation
	IV	Study of Literary Texts: Travelogue, Autobiography/Biography and Essay

TAMIL		
Semester	Course	Name of the Paper
I	I	History of Tamil Language
	II	Language Varieties
II	III	Functional Tamil Grammar
	IV	Cultural Behavior of the Tamils
III	V	Oral Traditions: Folktales, Folk Songs and Myths
	VI	Folk and Performing Art
	VII	History of Ancient Tamil Literature
IV	VIII	History of Modern Tamil Literature
	IX	Study of an Important Author
V	X	Study of an Important Text
VI	XI	Selected Texts (Novels and Short Story)
	XII	Selected Sindhi Text (Poetry and Plays)
Discipline Centric Electives (Any six)		
	I	Cultural History of the Tamils
	II	Literary Terms
	III	Science Fiction and Fantasy
	IV	Essay Writing
	V	Autobiography
	VI	Children's Literature
	VII	Lexicography: Dictionary and Encyclopedia
	VIII	Language and its use in Computer
	IX	Editing and compiling
	X	Language use and Registers
Skill Enhancement Courses (Any Four)		
	I	Language in Advertisement
	II	Language in Film
	III	Language of Printing and Publishing
	IV	Language of speech (Preparation of Speech)
	V	Dialogue writing for plays and film
	VI	Art of Translation/Practical Translation

TELUGU		
Semester	Course	Name of the Paper
I	I	History of Telugu Language
	II	Language Varieties
II	III	Functional Grammar of Telugu
	IV	Cultural Behavior of Telugu Speaking People
III	V	Oral Traditions: Folktales, Songs and Myths
	VI	Folk and Performing Arts
	VII	History of Telugu Literature (Ancient and Medieval)
IV	VIII	History of Telugu Literature (Modern to Contemporary)
	IX	Study of Important Author
V	X	Study of an Important Text
VI	XI	Selected Texts (Novels and Short Story)
	XII	Selected Text (Poetry and Plays)
Elective Courses (Any six)		
	I	History of Andhra Culture
	II	Specific Literary Terms
	III	Science Fiction and Fantasy
	IV	Essay Writing
	V	Autobiography/Biography
	VI	Children's Literature
	VII	Lexicography: Dictionary and Encyclopedia
	VIII	Language and its use in Computer
	IX	Editing and compiling
	X	Language use and Registers
Skill Enhancement Courses (Any Four)		
	I	Language in Advertisement
	II	Language in Film
	III	Language of Printing and Publishing
	IV	Art of Translation/Practical Translation



<b>Core Papers (14)</b> <b>B.A. (Hons) Sanskrit</b>		
<b>Semester: I</b>		
<b>C-1</b> Classical Sanskrit Literature (Poetry)	<b>C-2</b> Critical Survey of Sanskrit Literature	
<b>Semester: II</b>		
<b>C-3</b> Classical Sanskrit Literature (Prose)	<b>C-4</b> Self-Management in the Gītā	
<b>Semester: III</b>		
<b>C-5</b> Classical Sanskrit Literature (Drama)	<b>C-6</b> Poetics and Literary Criticism	<b>C-7</b> Indian Social Institutions and Polity
<b>Semester: IV</b>		
<b>C-8</b> Indian Epigraphy, Palaeography and Chronology	<b>C-9</b> Modern Sanskrit Literature	<b>C-10</b> Sanskrit and World Literature
<b>Semester: V</b>		
<b>C-11</b> Vedic Literature	<b>C-12</b> Sanskrit Grammar	
<b>Semester: VI</b>		
<b>C-13</b> Indian Ontology and Epistemology	<b>C-14</b> Sanskrit Composition and Communication	
<b>Discipline Specific Elective (DSE)</b> <b>B.A. (Hons) Sanskrit</b>		
<b>DSE-1</b> Indian System of Logic and Debate	<b>DSE-2</b> Art of Balanced Living	

**Background/Preamble and Guidelines**

<b>DSE -3</b> <b>Theatre &amp; Dramaturgy</b>	<b>DSE-4</b> <b>Tools and Techniques for Computing</b> <b>Sanskrit Language</b>
<b>DSE-5</b> <b>Sanskrit Linguistics</b>	<b>DSE-6</b> <b>Computational Linguistics for Sanskrit</b>
<b>DSE-7</b> <b>Fundamentals of Ayurveda</b>	<b>DSE-8</b> <b>Environmental Awareness in Sanskrit</b> <b>Literature</b>
<b>Generic Elective (GE)</b> <b>(Any Four)</b> <b>B.A. (Hons) Sanskrit</b>	
<b>Semester: III/IV</b>	
<b>GE-1</b> <b>Basic Sanskrit</b>	<b>GE-2</b> <b>Indian Culture and Social Issues</b>
<b>GE-3</b> <b>Sanskrit and Other Modern Indian</b> <b>Languages</b>	<b>GE-4</b> <b>Basic Principles of Indian Medicine</b> <b>System (Ayurveda)</b>
<b>GE-5</b> <b>Indian Aesthetics</b>	<b>GE-6</b> <b>Fundamentals of Indian Philosophy</b>
<b>GE-7</b> <b>Ancient Indian Polity</b>	<b>GE-8</b> <b>Indian Epigraphy &amp; Paleography</b>
<b>GE-9</b> <b>Computer Applications for Sanskrit</b>	<b>GE-10</b> <b>Individual, Family and Community</b> <b>In Indian Social Thought</b>
<b>GE-11</b> <b>Nationalism and Indian Literature</b>	<b>GE-12</b> <b>Indian Architectural System</b>
<b>Ability Enhancement Elective Course (AEEC)</b> <b>(Any Two)</b> <b>Skill Based</b> <b>B.A. (Hons) Sanskrit</b>	
<b>Semester: III/IV</b>	

**Background/Preamble and Guidelines**

<b>AEEC-1</b> <b>Acting &amp; Script Writing</b>	<b>AEEC -2</b> <b>Reading skills in Brāhmī Scripts</b>
<b>AEEC-3</b> <b>Machine Translation: Tools and Techniques</b>	<b>AEEC-4</b> <b>Evolution of Indian scripts</b>
<b>AEEC-5</b> <b>Sanskrit Meters and Music</b>	

**Course List for UG Sanskrit (Programme)**

**Core Papers for Sanskrit  
B.A. (Prog)**

**DISCIPLINE SPECIFIC CORE (DSC)  
(4 Papers)**

**Semester: I**

DSC-1  
Sanskrit Poetry

**Semester: II**

DSC-2  
Sanskrit Prose

**Semester: III**

DSC-3  
Sanskrit Drama

**Semester: IV**

DSC-4  
Sanskrit Grammar

**MODERN INDIAN LANGUAGES (MIL)\*  
(Any 2 Papers)**

**Semester: I/II**

Core – MIL (Sanskrit)-1  
Sanskrit as MIL: A1 Sanskrit Literature

Core – MIL (Sanskrit)-1  
Sanskrit as MIL B1 - Upaniṣad and Gita

Core – MIL (Sanskrit)-2  
Sanskrit as MIL C1 – Nīti Literature

**Semester: III/IV**

Core – MIL (Sanskrit)-2  
Sanskrit as MIL A2 – Grammar and Translation

Core – MIL (Sanskrit)-2  
Sanskrit as MIL B2 - Grammar and Composition

Core – MIL (Sanskrit)-2  
Sanskrit as MIL C2 - Sanskrit Grammar

**Discipline Specific Elective (DSE)  
B.A. (Prog.)**

**Semester: V/VI**

**DSE-1**

Philosophy, Religion and Culture in Sanskrit  
Tradition

**DSE -2**

Indian Perspectives in personality  
Development

**DSE -3**

Literary Criticism

**DSE -4**

Nationalism in Sanskrit Literature

**DSE -5**

Mathematical Tradition in Sanskrit

**Background/Preamble and Guidelines**

**Generic Elective (GE)  
B.A. (Prog.)**

**Semester: V/VI**

<b>GE-1</b> Political Thought in Sanskrit	<b>GE-2</b> Sanskrit Media
<b>GE-3</b> Sanskrit Meter and Music	<b>GE-4</b> Nationalistic Thought in Sanskrit Literature
<b>GE-5</b> Ethical and Moral Issues in Sanskrit Literature	<b>GE-6</b> Basics of Sanskrit Linguistics

**Ability Enhancement Elective Course  
(AEEC)  
Skill Based Papers  
BA (Prog.)**

**Semester: III/IV/V/VI**

<b>AEEC-1</b> Basic Elements of Jyotisha	<b>AEEC-2</b> Indian Architecture System
<b>AEEC-3</b> Basic Elements of Āyurveda	<b>AEEC-4</b> Computer Awareness for Sanskrit
<b>AEEC-5</b> E-Learning Tools and Techniques for Sanskrit	<b>AEEC-6</b> Yogasutra of Patanjali
<b>AEEC-7</b> Indian Theatre	

**Discipline Specific Core (DSC) Courses for Sanskrit**

**Core Papers  
B.A. (Prog)**

**DISCIPLINE SPECIFIC CORE (DSC)  
(4 Papers)**

<b>Semester: I</b>	<b>Semester: II</b>
<b>DSC-1 Sanskrit Poetry</b>	<b>DSC-2 Sanskrit Prose</b>
<b>Semester: III</b>	<b>Semester: IV</b>
<b>DSC-3 Sanskrit Drama</b>	<b>DSC-4 Sanskrit Grammar</b>

## Sanskrit MIL Communication

[A] Prescribed Course:	Total 28 Credits
Section 'A' Basic Sanskrit Grammar.	8 Credits
Section 'B' Śabda and Dhāturupa	6 Credits
Section 'C' Translation, Unseen Passages and Short Essay	9 Credits
Section 'D' Text	5 Credits

### [B] Course Objectives:

This course aims to provide the student the elementary knowledge of the logical structure of Sanskrit language and enable him to communicate the Sanskrit sentences on his own up to a certain extent so that he can make further progress in his study of the Sanskrit texts and appreciate the beauty of the language.

### [C] Unit-Wise Division:

#### Section 'A' (Basic Sanskrit Grammar)

##### *Sandhi* Rules :

Svarasandhi : dīrgha, yaṅ, ayādi, pararūpa,

pūrvarūpa

Halsandhi : ścutva, śtutva, jaśtva,

anunāsika

Visargasandhi : satva, utva

##### *Samāsa* :

- Concept of *Samāsa*
- Types of *Samāsa*

##### *Kāraka and Vibhakti*

Unit: I

- Concept of *Kāraka*
- Types of *Kāraka*
- Concept of *Vibhakti*
- *Kāraka-vibhakti* and *Upapada-vibhakti*.

08 Credits

##### Sanskrit Suffixes :

- *Kṛt* Suffixes : tavyat, anīyar, śatṛ, śānac, tumun, ktvā (lyap), lyuṣ.

*Taddhita* Suffixes : matup, ini, ihan

(matvarthā), tva, tal, imanic, syañ, tarap, tamaṣ, iṣhan, ḥyasun

#### Section 'B'

##### Śabda and Dhāturupa

शब्दरूप : राम, कवि, मानु, पितृ, लता, मति, नदी, फला

Unit: I

धातुरूपः भू, अस्, विव, तुष्ट, सु, ह्य, सेव in लट्, लङ्, लृट् and विभक्तिः।

06 Credits

### Section 'C'

#### Translation, Unseen Passages and Short Essay

Unit: I

- Rules of sentence formation.
- Sentences in active voice (*karivācya*)
- Finding answers from unseen passages
- Short essay writing

09 Credits

### Section 'D'

#### Text

Unit I

Bhagavadgīta – 16<sup>th</sup> Chapter.

05 Credits

#### [D] Suggested Books/Readings:

- व्याकरण की उपक्रमणिका: शिवरचन्द्र विश्वासवार, (संस्करण) पं. गोपाल चन्द्र वैद्यनाथ शास्त्री, चौखम्बा-विद्याभवन, वाराणसी 1996.
- रचनानुवादकौमुदी, कपिल क्षेत्र, वाराणसी, 2009.
- संस्कृत सहचर, सशामोहन पाठ, स्टूडेंट फ्रेंड्स, पटना.
- *The Students Guide to Sanskrit Language*, V.S. Apte (also Hindi Version), Choukhambha Sanskrit Series office, Varansi.
- 1. *Higher Sanskrit Grammar*, M.R.Kale, Moti Lal Banarsidas, Delhi, 2007.

**Note:** Teachers are also free to suggest any relevant books/articles/e-resource if needed.



<b>Core Papers</b> <b>B.A. (Hons.) Arabic</b>		
<b>Semester : I</b>		
<b>C - 1</b> Basic Arabic: Reading & Writing (5+1=6 Credits)	<b>C - 2</b> Applied Elementary Grammar (Morphology & Syntax) & Translation (5+1=6 Credits)	
<b>Semester - II</b>		
<b>C - 3</b> Advanced Arabic: Reading & Writing (5+1=6 Credits)	<b>C - 4</b> Applied Intermediate Grammar (Morphology & Syntax) & Translation (5+1=6 Credits)	
<b>Semester - III</b>		
<b>C - 5</b> Text: Modern Arabic Prose & Poetry-I (5+1=6 Credits)	<b>C - 6</b> Applied Upper Intermediate Grammar: (Morphology & Syntax) (5+1=6 Credits)	<b>C - 7</b> Translation & Conversation (5+1=6 Credits)
<b>Semester - IV</b>		
<b>C - 8</b> Text: Modern Arabic Prose & Poetry-II (5+1=6 Credits)	<b>C - 9</b> Applied Advanced Grammar: (Morphology & Syntax) & Composition (5+1=6 Credits)	<b>C - 10</b> Translation & Oral Expression (5+1=6 Credits)
<b>Semester -V</b>		
<b>C - 11</b> Text: Classical Arabic Prose & Poetry-I (5+1=6 Credits)	<b>C - 12</b> History of Arabic Literature-I (5+1=6 Credits)	
<b>Semester -VI</b>		
<b>C - 13</b> Text: Classical Arabic Prose & Poetry-II (5+1=6 Credits)	<b>C - 14</b> History of Arabic Literature-II (5+1=6 Credits)	

Proposed by:

Department of Arabic, ZHDC & Department of Arabic, University of Delhi

Note: All the above mentioned 14 papers are compulsory for B.A. (Hons) Arabic.

**\* Elective: Discipline Specific  
(DSE)  
B.A. (Hons.) Arabic**

Semester: V/VI

<p><b>DSE – 1</b> Introduction to Arabic Short Story القصة القصيرة العربية : تعريف موجز  (5+1=6 Credits)</p>	<p><b>DSE – 2</b> Introduction to Arabic Novel الرواية العربية : تعريف موجز  (5+1=6 Credits)</p>
<p><b>DSE – 3</b> Introduction to Arabic Drama المسرحية العربية : تعريف موجز  (5+1=6 Credits)</p>	<p><b>DSE – 4</b> Indian Arabic Writers &amp; Poets الكتاب والشعراء الهنود باللغة العربية  (5+1=6 Credits)</p>
<p><b>DSE – 5</b> Impact of Arabic on Indian Languages أثر اللغة العربية في اللغات الهندية  (5+1=6 Credits)</p>	<p><b>DSE – 6</b> Translation: Arabic - English - Arabic ترجمة: عربي - انجليزي - عربي  (5+1=6 Credits)</p>
<p><b>DSE – 7</b> Centre of Arabic Studies &amp; Oriental Libraries in India مراكز الدراسات العربية والمكتبات الشرقية في الهند  (5+1=6 Credits)</p>	<p><b>DSE – 8</b> Arabic Newspaper Specific: Vocabulary &amp; Abbreviations (Usage &amp; Translation) الصحف العربية : المفردات والمختصرات الشائعة الاستعمال  (5+1=6 Credits)</p>

\* Student has to select only **four** papers of their choice out of the above mentioned ten options for DSE.

\* Optional **Dissertation** or **Project Work** in place of one Discipline Specific Elective Paper (6 Credits) in 6th Semester

<b>Elective Course: Generic (GE) B.A. (Hons) other than ARABIC B.Com (Hons.) B.Sc (Hons.)</b>	
Semester: I/II/III/IV	
<b>GE – 1</b> <b>Reading &amp; Writing Arabic</b> هياً نقرأ ونكتب باللغة العربية (5+1=6 Credits)	<b>GE – 2</b> <b>Let us Speak Arabic</b> هياً نتحدث باللغة العربية (5+1=6 Credits)
<b>GE – 3</b> <b>India &amp; Indians in Arabic Travelogues</b> الهند والهنود في كتب الرحلات العربية (5+1=6 Credits)	<b>GE – 4</b> <b>Indo-Arab Relations</b> العلاقات الهندية العربية (5+1=6 Credits)
<b>GE – 5</b> <b>Introduction to Arab World &amp; Culture</b> العالم العربي والحضارة العربية: تعريف موجز (5+1=6 Credits)	<b>GE – 6</b> <b>Reform Movements in Modern Arab World</b> الحركات الإصلاحية في العالم العربي الحديث (5+1=6 Credits)
<b>GE – 7</b> <b>Impact of Arab Scholars on European Renaissance</b> تأثير علماء العرب في النهضة الأوروبية (5+1=6 Credits)	<b>GE – 8</b> <b>Introduction to History of Arabic language</b> تاريخ اللغة العربية: تعريف موجز (5+1=6 Credits)

\* Choose only **four** papers out of the above mentioned eight options of Elective Course: Generic

**Ability Enhancement Elective Course**

**(AEEC) \***

**Skill Based Papers**

**B.A. (Hons.) ARABIC**

**Semester : III/IV**

**AEEC –1**

خط الرقعة وخط النسخ:

تعريف وتمارين

**Khatt-e Ruq'ah & Khatte Naskh  
(Introduction & Practice)**

(2 Credits)

**AEEC –2**

قصص الأطفال باللغة العربية:

قراءة واستيعاب

**Arabic Children's Stories  
(Reading & Comprehension)**

(2 Credits)

**AEEC – 3**

الحاسوب : التنضيد وإعداد الصفحة

**Arabic Composing & Setting**

(2 Credits)

**AEEC – 4**

معرفة استخدام الحاسوب :

البرمجيات والمواقع العربية

**Computer Literacy  
(Arabic Software & Websites)**

(2 Credits)

\* Minimum **two** papers out of four papers. (2 credits)

<p><b>Ability Enhancement Compulsory Course</b>  <b>(AECC)</b>  <b>in lieu of MIL - Arabic</b>  <b>B.Sc. (Hons.), B.Com. (Hons.)&amp;B.A. (Hons.)</b>  <b>Other than</b>  <b>ARABIC</b></p>		
<p><b>Semester : I/II</b></p>		
<p><b>AECC - In Lieu of MIL</b>  <b>Arabic A</b></p> <p><b>(Advanced Level)</b></p> <p><b>(المستوى العالي)</b></p> <p><b>(2 Credits)</b></p>	<p><b>AECC - In Lieu of MIL</b>  <b>Arabic – B</b></p> <p><b>(Intermediate Level)</b></p> <p><b>(المستوى المتوسط)</b></p> <p><b>(2 Credits)</b></p>	<p><b>AECC - In Lieu of MIL</b>  <b>Arabic – C</b></p> <p><b>(Basic Level)</b></p> <p><b>(المستوى البدائي)</b></p> <p><b>(2 Credits)</b></p>

\* Student can opt any **one** of these three Levels of Arabic papers as per the criteria.

<b>Core Course B.A. (Prog.) &amp; B.Com (Prog.)</b>	
<b>In Lieu of MIL - ARABIC</b>	
<b>Semester : I/II</b>	
<b>Core - In Lieu of MIL (Arabic) - I Arabic Language-I</b>	
<b>Semester – III/IV</b>	
<b>Core - In Lieu of MIL (Arabic) - II Arabic Language-II</b>	
<b>DISCIPLINE SPECIFIC CORE (DSC)</b>	
<b>Semester-I</b>	<b>Semester-II</b>
<b>DSC - 1 Text &amp; Applied Grammar-I</b>	<b>DSC - 2 Text &amp; Applied Grammar-II</b>
<b>Semester-III</b>	<b>Semester-IV</b>
<b>DSC - 3 Text, Applied Grammar &amp; Translation-I</b>	<b>DSC - 4 Text, Applied Grammar &amp; Translation-II</b>

Proposed By:

Department of Arabic, ZHDC & Department of Arabic, University of Delhi.

**\* Elective: Discipline Specific  
(DSE)**

**B.A. (Prog) Arabic**

**Semester: V/VI**

<p><b>DSE – 1</b> Arabic Children's Stories (Reading &amp; Comprehension) قصص الأطفال باللغة العربية: قراءة واستيعاب</p>	<p><b>DSE – 2</b> Translation: Arabic - English - Arabic ترجمة: انجليزي - عربي - انجليزي</p>
<p><b>DSE – 3</b> Khutoot: Ruq'ah &amp; Naskh خط الرقعة وخط النسخ: تعريف وتمارين</p>	<p><b>DSE – 4</b> Composition الإنشاء</p>

\* Optional **Dissertation** or **Project Work** in place of one Discipline Specific Elective Paper (4 Credits) in the 6th Semester

**Elective Course: Generic  
(GE)  
B.A. (Prog) & B.Com (Prog)**

**Semester: V/VI**

<p><b>GE – 1</b> Let us Read &amp; Write Arabic هيا نقرأ ونكتب باللغة العربية</p>	<p><b>GE – 2</b> Arabic for Job Seekers اللغة العربية في سوق العمل</p>
<p><b>GE – 3</b> Introduction to History of Arabic Language تاريخ اللغة العربية: تعريف موجز</p>	<p><b>GE – 4</b> Impact of Arabic on Indian Languages أثر اللغة العربية على اللغات الهندية</p>



**Ability Enhancement Compulsory Course  
(AECC)**

**In Lieu of MIL - ARABIC**

**B.A. (Prog), B.Com. (Prog) & B.Sc. (Prog)**

**Semester : I/II**

**AECC - MIL  
Arabic A  
(Advanced Level)**

**(المستوى العالي)**

**2 Credits**

**AECC - MIL  
Arabic - B  
(Intermediate Level)**

**(المستوى المتوسط)**

**2 Credits**

**AECC - MIL  
Arabic - C  
(Basic Level)**

**(المستوى البدائي)**

**2 Credits**

\* Student can opt any **ONE** of these three levels of Arabic papers as per the criteria.

**Ability Enhancement Elective Course**

**(AEEC) \***

**Skill Based Papers**

**B.A. (Prog.) Arabic**

**Semester : III/IV/V/VI**

**AEEC – 1**

Arabic For Beginners

اللغة العربية للمبتدئين

(2 credits)

**AEEC – 2**

Arabic Composing & Setting

الطباعة على الحاسوب :

تنضيد وإعداد الصفحة

(2 credits)

**AEEC – 4**

Computer Literacy

(Arabic Software & Websites)

معرفة استخدام الحاسوب :

البرمجيات والمواقع العربية

(2 credits)

**AEEC – 4**

Arab World: A Brief Introduction

العالم العربي : تعريف موجز

(2 credits)

# B.A. (Hons.) HINDI

प्रश्नपत्रों का क्रम इस प्रकार होगा :

## हिंदी कोर पाठ्यक्रम (HCC)

- सेमेस्टर-1 :
  - हिन्दी कोर प्रश्नपत्र-1 : हिंदी भाषा और उसकी लिपि का इतिहास
  - हिन्दी कोर प्रश्नपत्र-2 : हिंदी कविता (आदिकाल एवं भक्तिकालीन काव्य)
- सेमेस्टर-2 :
  - हिन्दी कोर प्रश्नपत्र-3 : हिंदी साहित्य का इतिहास (आदिकाल और मध्यकाल)
  - हिन्दी कोर प्रश्नपत्र-4 : हिंदी कविता (रीतिकालीन काव्य)
- सेमेस्टर-3 :
  - हिन्दी कोर प्रश्नपत्र-5 : हिंदी साहित्य का इतिहास (आधुनिक काल)
  - हिन्दी कोर प्रश्नपत्र-6 : हिंदी कविता (आधुनिक काल छायावाद तक)
  - हिन्दी कोर प्रश्नपत्र-7 : हिंदी कहानी
- सेमेस्टर-4 :
  - हिन्दी कोर प्रश्नपत्र-8 : भारतीय काव्यशास्त्र
  - हिन्दी कोर प्रश्नपत्र-9 : हिंदी कविता (छायावाद के बाद)
  - हिन्दी कोर प्रश्नपत्र-10 : हिन्दी उपन्यास
- सेमेस्टर-5 :
  - हिन्दी कोर प्रश्नपत्र-11 : पाश्चात्य काव्यशास्त्र
  - हिन्दी कोर प्रश्नपत्र-12 : हिंदी नाटक/एकांकी
- सेमेस्टर-6 :
  - हिन्दी कोर प्रश्नपत्र-13 : हिन्दी आलोचना
  - हिन्दी कोर प्रश्नपत्र-14 : हिंदी निबंध और अन्य गद्य विधाएँ

## हिंदी सामान्य (Generic) ऐच्छिक पाठ्यक्रम (HGEC)

- **सेमेस्टर 1**
  1. लोकप्रिय साहित्य अथवा हिंदी सिनेमा और उसका अध्ययन
- **सेमेस्टर 2**
  2. रचनात्मक लेखन अथवा पटकथा तथा संवाद लेखन
- **सेमेस्टर 3**
  3. हिंदी में व्यावहारिक अनुवाद अथवा भाषा और समाज
- **सेमेस्टर 4**
  4. हिन्दी का वैश्विक परिदृश्य अथवा भाषा शिक्षण

## हिंदी विषय आधारित ऐच्छिक पाठ्यक्रम (HDSEC)

- **सेमेस्टर 5**
  1. हिंदी की मौखिक और लोक-साहित्य परंपरा अथवा अस्मितामूलक विमर्श और हिंदी साहित्य अथवा भारतीय एवं पाश्चात्य रंगमंच सिद्धांत
- **सेमेस्टर 5**
  2. हिंदी भाषा का व्यावहारिक व्याकरण अथवा कोश विज्ञान : शब्दकोश और विश्वकोश अथवा भारतीय साहित्य की संक्षिप्त रूपरेखा
- **सेमेस्टर 6**
  3. लोकनाट्य अथवा हिन्दी की भाषिक विविधताएँ अथवा भारतीय साहित्य : पाठपरक अध्ययन
  4. शोध-प्रविधि अथवा अवधारणात्मक साहित्यिक पद अथवा हिंदी रंगमंच

हिंदी कौशल-संबद्धक ऐच्छिक पाठ्यक्रम (HSEC)

(कोई दो : क और ख वर्ग से एक-एक का चयन)

• सेमेस्टर 3

(क)

1. विज्ञापन और हिंदी भाषा
2. कम्प्यूटर और हिंदी भाषा
3. सोशल मीडिया
4. अनुवाद-कौशल

• सेमेस्टर 4

(ख)

1. कार्यालयी हिंदी
2. भाषायी दक्षता : समझ और संभाषण
3. भाषा और समाज

• एक अनिवार्य प्रश्नपत्र : आधुनिक भारतीय भाषा संप्रेषण/अंग्रेजी

• एक अनिवार्य प्रश्नपत्र : पर्यावरण विज्ञान

कुल 26 प्रश्नपत्र

बी.ए. (ऑनर्स) हिंदी

G. Elective (सामान्य ऐच्छिक)

सेमेस्टर-1

(1.3)

(क) लोकप्रिय साहित्य

- इकाई-1 : लोकप्रिय और जनप्रिय साहित्य की अवधारणा
- इकाई-2 : हिन्दी के तिलस्मी और जासूसी साहित्य का सामाजिक आशंय
- इकाई-3 : भावनात्मक उपन्यास और गुलशन नन्दा, जनप्रिय उपन्यास और यथार्थबोध – इब्ने शफी बीए, जनप्रिय लेखक ओमप्रकाश शर्मा, सुरेन्द्र मोहन पाठक और वेदप्रकाश शर्मा
- इकाई-4 : कविसम्मेलनी कविता : स्वरूप एवं प्रमुख लोकप्रिय कवि – बेढब बनारसी, काका हाथरसी से आज तक के लोकप्रिय गीतकार और हास्यकवि

सहायक ग्रंथ :

- आलोचना की सामाजिकता – मैनेजर पाण्डेय
- समकालीन कविता और सौंदर्यबोध – रोहिताश्व
- 'पाखी' पत्रिका का अंक – अप्रैल, 2015
- 'उपन्यास और प्रतिरोध' ['अभिनव भारती' (अलीगढ़ मुस्लिम विश्वविद्यालय के हिंदी विभाग की शोध-पत्रिका का विशेषांक वर्ष-2008)]
- तिलस्मी साहित्य का साम्राज्यवाद-विरोधी चरित्र – प्रदीप सक्सेना
- Popular Literature : A History and Guide by Victor E. Neuburg (The Woburn Press, London, 1977)

## अथवा

### (ख) हिंदी सिनेमा और उसका अध्ययन

- इकाई-1 : कला विधा के रूप में सिनेमा और उसकी सैद्धान्तिकी  
इकाई-2 : हिन्दी सिनेमा : उद्भव और विकास  
इकाई-3 : सिनेमा में कैमरे की भूमिका  
इकाई-4 : नयी तकनीक और सिनेमा – सम्भावनाएँ और चुनौतियाँ  
(संदर्भ : मुगले आजम, मदन इंडिया, दीवार, पीके)

#### सहायक ग्रंथ :

- फिल्म निर्देशन : कुलदीप सिन्हा
- हिंदी सिनेमा का इतिहास - मनमोहन चड्ढा
- नया सिनेमा - ब्रजेश्वर मदान
- भारतीय सिने सिद्धांत - अनुपम ओझा
- सिनेमा : कल, आज, कल - विनोद भारद्वाज
- हिंदी सिनेमा के सौ वर्ष - प्रकाशन विभाग
- हिंदी सिनेमा के सौ वर्ष - प्रह्लाद अग्रवाल
- राजकपूर : आधी हकीकत, आधा फसाना - प्रह्लाद अग्रवाल
- सिनेमा का जादुई सफर - प्रताप सिंह
- मोहम्मद रफी : पैगम्बर-ए-मौसिकी - ज़िया इमाम
- नौशाद : ज़र्रा जो आफताब बना - ज़िया इमाम
- सिनेमा के बारे में जावेद अख्तर से बातचीत - नसरीन मुन्नी कबीर
- गुरुदत्त - विमल मित्र
- सत्यजीत रे - महेंद्र मिश्र
- कैमरा मेरी तीसरी आँख - राधू कर्माकर
- धुनों की यात्रा - पंकज राग

सी.बी.सी.एस.

(चयन-आधारित क्रेडिट पद्धति)

बी.ए./बी.कॉम. (प्रोग्राम) पाठ्यक्रम

सेमेस्टर-1	
1.1	हिंदी भाषा और साहित्य का इतिहास (Core Course-1)
1.2	हिंदी योग्यता संवर्द्धक पाठ्यक्रम Language-MIL/English Comm. (AECC)
सेमेस्टर-2	
2.1	हिंदी कविता (मध्यकाल और आधुनिक काल) (Core Course-2)
2.2	आधुनिक भारतीय भाषा – हिंदी : भाषा और साहित्य – क/ ख/ ग Language-MIL/English-1
सेमेस्टर-3	
3.1	हिंदी कथा साहित्य (Core Course-3)
3.2	हिन्दी कौशल-संवर्द्धक पाठ्यक्रम (Skill Enhancement Course; Any One) (क) रचनात्मक लेखन अथवा (ख) भाषा शिक्षण अथवा (ग) कार्यालयी हिंदी
सेमेस्टर-4	
4.1	अन्य गद्य विधाएँ (Core Course-4)
4.2	आधुनिक भारतीय भाषा – हिंदी गद्य : उद्भव और विकास – क/ ख/ ग Language-MIL/English-2
4.3	हिन्दी कौशल संवर्द्धक पाठ्यक्रम (Skill Enhancement Course; Any One) (क) भाषायी दक्षता अथवा (ख) विज्ञापन और हिंदी भाषा अथवा (ग) कम्प्यूटर और हिंदी भाषा



**सेमेस्टर-5**

5.1	विषय आधारित ऐच्छिक पाठ्यक्रम (Discipline Specific Elective-1) (क) हिंदी भाषा का व्यावहारिक व्याकरण अथवा (ख) हिंदी का मौखिक साहित्य और उसकी परम्परा अथवा (ग) हिंदी रंगमंच
5.2	सामान्य (जेनरिक) ऐच्छिक पाठ्यक्रम (Generic Elective; Any One) (क) अनुवाद : व्यवहार और सिद्धांत अथवा (ख) जनपदीय साहित्य

**सेमेस्टर-6**

6.1	विषय आधारित ऐच्छिक पाठ्यक्रम (Discipline Specific Elective-2) (क) साहित्य चिंतन अथवा (ख) कोश विज्ञान : शब्दकोश और विश्वकोश अथवा (ग) विशेष अध्ययन : एक प्रमुख साहित्यकार
6.2	सामान्य (जेनरिक) ऐच्छिक पाठ्यक्रम (Generic Elective; Any One) (क) अस्मितामूलक अध्ययन और हिंदी साहित्य अथवा (ख) हिंदी सिनेमा और उसका अध्ययन

बी.ए. (प्रोग्राम) प्रयोजनमूलक हिंदी पाठ्यक्रम (2015-2016 से लागू)

दिल्ली विश्वविद्यालय, दिल्ली

**सेमेस्टर - I**

- 1.1 हिंदी भाषा : अनुप्रयोग के क्षेत्र (Core Discipline-1)  
1.2 हिंदी भाषा योग्यता संवर्द्धक पाठ्यक्रम (Language - MIL/English Comm., AECC)

**सेमेस्टर - II**

- 2.1 हिंदी भाषा : कार्यालयी लेखन (Core Discipline-2)  
2.2 आधुनिक भारतीय भाषा : भाषा और साहित्य क/ख/ग (Language - MIL/English-1)

**सेमेस्टर - III**

- 3.1 प्रयोजनमूलक हिंदी : अनुवाद और अनुवाचन (Core Discipline-3)  
3.2 कौशल संवर्द्धक पाठ्यक्रम (Skill Enhancement Course, Any One)

(क) लेखन कौशल : विस्तार एवं संभावनाएं

अथवा

(ख) वेब पत्रकारिता

**सेमेस्टर - IV**

- 4.1 हिंदी अनुप्रयोग : तकनीकी संसाधन एवं उपकरण (Core Discipline-4)  
4.2 आधुनिक भारतीय भाषा - हिंदी गद्य : उद्भव और विकास - क/ख/ग (Language MIL/English-2)

4.3 कौशल संवर्द्धक पाठ्यक्रम (Skill Enhancement Course, Any One)

(क) हिंदी - शिक्षण

अथवा

(ख) पारिभाषिक शब्दावली एवं कोश विज्ञान

**सेमेस्टर - V**

5.1 विषय आधारित ऐच्छिक पाठ्यक्रम (Discipline Specific Elective-1, Any One)

(क) मनोरंजन-उद्योग और हिंदी

अथवा

(ख) हिंदी के विविध रूप

5.2 सामान्य ऐच्छिक पाठ्यक्रम (Generic Elective-1, Any One)

(क) कम्प्यूटर और हिंदी

अथवा

(ख) विज्ञापन, बाजार और हिंदी

**सेमेस्टर - VI**

6.1 विषय आधारित ऐच्छिक पाठ्यक्रम (Discipline Specific Elective-2, Any One)

(क) सृजनात्मक लेखन : सिद्धांत और व्यवहार

अथवा

(ख) विज्ञान, तकनीक, प्रोद्योगिकी और हिंदी

6.2 सामान्य ऐच्छिक पाठ्यक्रम (Generic Elective-2, Any One)

(क) हिंदी में कार्टून, डबिंग और ग्राफिक बाल कथाएँ

अथवा

(ख) जनमाध्यम और हिंदी

### B.A. (PROGRAMME) WITH LINGUISTICS

Sem.	Core Course (4)	Ability Enhancement Compulsory Course (AECC)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective Course DSE (2)	Generic Elective GE (2)
I	<b>DSC-1</b> Introduction to Language				
II	<b>DSC-2</b> Elementary Phonetics and Phonology				
III	<b>DSC-3</b> Morphosyntactic Processes		<b>SEC-1</b> Understanding Human Language		
IV	<b>DSC-4</b> Language, Mind and Brain		<b>SEC-2</b> Understanding Hindi as a Foreign Language		
V			<b>SEC-3</b> Understanding Concepts of Translation	<b>DSE-1</b> Language, Society and Language Change	<b>GE-1</b> Issues in Applied Linguistics-I
VI			<b>SEC-4</b> Understanding Concepts of Language Acquisition and Intervention	<b>DSE-2</b> Linguistic Tradition and Historical Linguistics	<b>GE-2</b> GE2(i) Issues in Applied Linguistics-II Or GE2(ii) Language Interfaces

## **Structure of B.A (Programme) with Linguistics under Choice Based Credit System**

### **Core Courses—Discipline Specific Course (DSC)-4**

DSC-1: Introduction to Language

DSC-2: Elementary Phonetics and Phonology

DSC-3: Morphosyntactic Processes

DSC-4: Language, Mind and Brain

### **Discipline Specific Elective (DSE) Any Two**

DSE-1: Language, Society and Language change

DSE-2: Linguistic Tradition and Historical Linguistics.

### **Generic Elective (Inter-Disciplinary) Any Two**

GE-1: Issues in Applied Linguistics- I

GE-2(i): Issues in Applied Linguistics- II

or

GE-2(ii): Language Interfaces.

### **Skill Enhancement Course (SEC)**

SEC-1: Understanding Human Language

SEC-2: Understanding Hindi as a Foreign Language

SEC-3: Understanding Concepts of Translation

SEC-4: Understanding Concepts of Language Acquisition and Intervention.

<b>Core Papers</b> <b>B.A. (Hons) Urdu</b>		
Semester : I		
C - 1 Study of Urdu Fiction	C - 2 Study of Urdu Non Fiction	
Semester : II		
C - 3 Study of Modern Nazm	C - 4 Study of Modern Ghazal	
Semester : III		
C - 5 Study of Prose Writer Shibli	C - 6 Special Study of Hali	C - 7 Study of Classical Ghazal
Semester : IV		
C - 8 Study of Classical Prose	C - 9 Urdu Tanz-o-Mezah	C - 10 Study of Qasida, Marsia & Masnavi
Semester : V		
C - 11 Study of Poet Mirza Ghalib	C - 12 Study of Literary Movements	
Semester : VI		
C - 13 History of Urdu Language and Literature	C - 14 Study of Poet Iqbal	

Note: All the above mentioned fourteen papers are compulsory for B.A. (H) Urdu

**\*Elective: Discipline Specific  
(DSE)  
B.A. (Hons) Urdu**

Semester : V/VI

DSE - 1 Study of Urdu Novel	DSE - 2 Study of Urdu Short Story
DSE - 3 Study of Urdu Drama	DSE - 4 Study of Urdu Inshaiya and Khaka
DSE - 5 Study of Urdu Marsiya	DSE - 6 Study of Urdu Masnawi
DSE - 7 Study of Urdu Qasida	DSE - 8 Study of Urdu Bio-Graphies Travelough and Reportage

\* Student have to select only four papers of their choice out of the above mentioned six options for DSE

\* Optional Dissertation or Project Work in place of one Discipline Specific Elective Paper (6 Credits) in 6<sup>th</sup> Semester.

**Elective Course: Generic  
(GE)  
B.A. (Hons) other than Urdu**

Semester : I/II/III/IV

GE - 1 Study of Urdu Poetry - I	GE - 2 Study of Short Story Writer Prem Chand
GE - 3 Study of Urdu Prose - I	GE - 4 Study of Short Story Writer Manto
GE - 5 Study of Urdu Poetry - II	GE - 6 Study of Development of Urdu
GE - 7 Study of Urdu Prose - II	GE - 8 Mass Media: Principles and Practice

\* Choose only four Papers out of the above mentioned eight options from Elective Course: Generic.



**Ability Enhancement Compulsory  
Course (AECC)  
Other than Urdu**

Semester : I/II

AECC - MIL

Urdu-A

AECC - MIL

Urdu-B

AECC - MIL

Urdu-C

\* Student can opt any one out of these three Levels of Urdu papers as per the criteria.

**Ability Enhancement Elective Course  
(AEEC)\*  
Skill Based Paper  
B.A. (Hons) Urdu**

Semester : III/IV

AEEC - 1 Learning Skills of Translation in Urdu	AEEC - 2 Learning Skills of Afsana in Urdu
AEEC - 3 Learning Skills of Drama in Urdu	AEEC - 4 Learning Skills for Media Writing

\* Minimum 2 Papers.

<b>Core Papers</b> <b>B.A. (Prog.) &amp; B.Com (Prog.)</b>	
<b>MODERN INDIAN LANGUAGES (MIL)</b>	
Semester : I/II	
Core - MIL (Urdu) — 1 Study of Modern Urdu Prose and Poetry	
Semester : III/IV	
Core - MIL (Urdu) — 2 Study of Modern Fiction—Novel, Short Story	
<b>DISCIPLINE SPECIFIC CORE (DSC)</b>	
Semester : I	Semester : II
DSC - I Study of Modern Poetry	DSC - II Study of Modern Prose
Semester : III	Semester : IV
DSC - III Study of Classical Poetry	DSC - IV Study of Classical Prose

**\*Elective: Discipline Specific  
(DSE)  
B.A. (Prog.) & B.Com (Prog.)**

Semester : V/VI

DSE - 1 Study of Poet Meer Taqi Meer	DSE - 2 Study of Poet Mirza Ghalib
DSE - 3 Study of Prose Writer Meer Amman Dehlawi	DSE - 4 Study of Prose Writer Maulana Altaf Hussain Hali

\* Optional Dissertation or Project Work in place of one Discipline Specific Elective Paper (4 Credits) in 6th Semester.

Elective Course: Generic (GE)

(DSE)

B.A. (Prog.) & B.Com (Prog.)

Semester : V/VI

GE - 1 Study of Poet Nazir Akbarabadi	GE - 2 Study of Poet Akbar Allahabadi
GE - 3 Study of Short Story Writer Krishn Chand	GE - 4 Study of Short Story Writer Rajendar Singh Bedi

**Ability Enhancement Compulsory Course  
(AECC)**

**MIL - URDU**

**B.A. (Prog.), B.com (Prog.) & B.Sc (Prog.)**

Semester : I/II

<p>AECC - MIL Urdu - A Advance level (For those who studied Urdu upto class XII)</p>	<p>AECC - MIL Urdu - B Intermediate level (For those who studied Urdu upto class X)</p>
<p>AECC - MIL Urdu - C Basic level (For those who studied Urdu upto class VIII)</p>	

\* Student can opt any one out of these three Levels of Urdu papers as per the criteria.

**Ability Enhancement Elective Course  
(AEEC)\*  
Skill Based Paper  
B.A. (Prog.) Urdu**

Semester : III/IV/V/VI

AEEC - 1 Translation and Its Process Nazir Akbarabadi	AEEC - 2 Study of Film and Stage Drama
AEEC - 3 Study of Print Media in Urdu	AEEC - 4 Study of Electronic in Urdu

# B.A. Honours English

## Core Course

### Paper Titles

1. Indian Classical Literature
2. European Classical Literature
3. Indian Writing in English
4. British Poetry and Drama: 14th to 17th Centuries
5. American Literature
6. Popular Literature
7. British Poetry and Drama: 17th and 18th Centuries
8. British Literature: 18th Century
9. British Romantic Literature
10. British Literature: 19th Century
11. Women's Writing
12. British Literature: The Early 20th Century
13. Modern European Drama
14. Postcolonial Literatures

### Discipline Centric Elective (Any four)

### Paper Titles

1. Modern Indian Writing in English Translation
2. Literature of the Indian Diaspora
3. British Literature: Post World War II
4. Nineteenth Century European Realism
5. Literary Theory
6. Literary Criticism
7. Science fiction and Detective Literature
8. Literature and Cinema
9. World Literatures
10. Partition Literature
11. Research Methodology
12. Travel writing
13. Autobiography



**Generic Elective (Any four)**

**Paper Titles**

1. Academic Writing and Composition
2. Media and Communication Skills
3. Text and Performance
4. Language and Linguistics
5. Contemporary India: Women and Empowerment
6. Gender and Human Rights\*
7. Language, Literature and Culture

*\*Syllabus not received*

**Ability Enhancement Course (Compulsory)**

**Paper Titles**

1. Environmental Study\*
2. English/MIL Communication

*\* Syllabi not received*

**Ability Enhancement Elective Course (Any two)**

**Paper Titles**

1. Film Studies \*
2. English Language Teaching
3. Soft Skills
4. Translation Studies
5. Creative Writing
6. Business Communication
7. Technical Writing

*\*Syllabus not received*

# B.A./B.Com Programme

## English

### Semester 1

**AECC: English Communication Skills/MIL/EVS**

**DSC 1A: The Individual and Society. Eds**

### Semester 2

**AECC: English Communication Skills/MIL/EVS**

**DSC 1B: Selections (poems, short stories) from Modern Indian Literature**

### Semester 3

**DSC 1C: British Literature**

**Novel**

**Play**

**AEEC -1: Creative Writing, Book and Media Reviews**

### Semester 4

**DSC 1D: Literary Cross Currents**

**Selections from Living Literatures-An Anthology of Prose and Poetry  
Eds. Vinay Sood, et al. Orient Longman**

**Novella**

**Play**

**AEEC-2: Translation Studies and Principles of Translation**

**Semester 5**

**AEEC-3: Technical Writing**

**DSE-1A: Soft Skills**

**GE-1: Gender and Human Rights/Contemporary India: Women and Empowerment**

**Semester 6**

**AEEC- 4: Business Communication**

**DSE-1B: Academic Writing**

**GE -2: Cultural Diversity**

**Advanced English: Stream A**  
(For those who have passed English in Class XII)

**Course objectives**

The course enhances the skills of reading, writing, speaking and listening

It encourages recognition and awareness of different genres like the short story, poetry, feature articles, etc.

Topical and social themes form an integral part of the course

The course teaches the students speaking and listening skills in class and tests these skills for a constant monitoring of their proficiency

The course broadens the horizons of the text by project work which is flexible, and enhances the creativity of the student.

The course uses activities centred on translation for students, and gives them a composite view of multiculturalism.

**Semester I**

**Writing skills**

Diary entry

Paragraph writing

Summary/Note-making

Formal and informal letter writing

CV/ Resume writing

Book/ Film reviews

**Internal assessment**

Speaking skills Listening/ comprehension

Project work

Attendance

### **Suggested projects**

Sports writing, Poetry about women/ men, Poetry in translation, Telling a story,  
Fantasy writing, Chat shows, The menace of dowry, A success story

### **Recommended Readings**

Fluency in English Part I, Macmillan, Delhi, 2005, Units 1-18

Business English, Pearson, Delhi, 2008, Units 1-3

Language through Literature (forthcoming) ed Dr Gauri Mishra, Dr Ranjana Kaul, Dr  
Bhat Biswas, Primus Books, Delhi, 2015, Chapters 1-7

Martin Hewing, Advanced English Grammar, Cambridge University Press, New Delhi,  
2010, Units 1-60

### **Semester II**

#### **Writing skills**

Interview

Feature article

Notice

Questionnaire/ survey

Essay/speech writing

Report writing

Dialogue writing

#### **Internal assessment**

Speaking skills Listening/ comprehension

Project work

Attendance

### **Suggested projects**

Creative writing, Theatre Action Group (TAG)/ Other theatre groups, *Billy Elliot*,  
Translating a poem, Arranged marriages, Interviewing a celebrity, Writing a  
newspaper article on a current topic

Today's youth and youth icons, Leadership and politics, Examination system and  
benefits of reform, The Mahabharata, Communalism, Gender discrimination, Social  
activism

### **Recommended Readings**

Fluency in English Part II, Oxford University Press, Delhi , 2006, Unit 1-15

Business English , Pearson, Delhi, 2008 Units 4-6

Language through Literature (forthcoming) ed Dr Gauri Mishra, Dr Ranjana Kaul, Dr  
Bhat Biswas, Primus Books, Delhi, 2015. Chapters 8-14

Martin Hewing, Advanced English Grammar, Cambridge University Press, New Delhi,  
2010,– Units 61-120

### **Intermediate English: Stream B**

(For those who have passed English in Class X)

### **Semester I**

#### **Course objectives**

To develop the following skills:

#### ***Reading***

The ability to understand and assimilate the main ideas and specific details in a 400-  
500 word text of moderate difficulty

The ability to read a text at normal speed with correct pronunciation, intonation and  
pauses, and also with appropriate facial expression and gestures (especially in poetry  
and drama)

### ***Writing***

The ability to write a letter of request, complaint, apology, order, etc

The ability to write an application for a job with a covering letter

The ability to write an advertisement for selling/ buying an item

The ability to write a notice, poster, recipe, etc

The ability to write a paragraph on a given topic

The ability to write a short narrative or essay (up to 100 words)

### ***Listening***

The ability to comprehend the gist as well as details of a talk, lecture discussion, news item, announcement, etc

The ability to take notes

### ***Speaking***

The ability to pronounce words correctly and to speak with proper intonation

The ability to introduce one's self and others, socialise, make requests, seek permission and information, place an order, accept an invitation and give directions

### **Recommended Readings**

English at the Workplace Part I, Macmillan, Delhi, 2008, Units 1-12

Language, Literature and Creativity, Orient Blackswan, 2013 Chapters 1-4

Raymond Murphy, Intermediate English Grammar, 2<sup>nd</sup> Ed, Cambridge University Press, Cambridge, 2012, Units 1-60

## **Semester II**

### **Recommended Readings**

English at the Workplace, Part II, Oxford University Press, Delhi, 2007, Units 1-12

Language, Literature and Creativity, Orient Blackswan, 2013, Chapters 5-8

Raymond Murphy, Intermediate English Grammar, 2<sup>nd</sup> Ed, Cambridge University Press, Cambridge, 2012, Units 61-120

## **Basic English: Stream C**

(For those who have passed English in Class VIII, and all other categories, except those covered by A & B)

### **Course objectives**

The prescribed text helps the students increase their proficiency in English by enhancing their resources to deal with communicative needs of everyday life at home, at work, and in social interaction. The material, methodology and language tasks create contexts for interaction and language use, so that learners acquire and sharpen their language skills as they process the text on their own.

The prescribed grammar book provides rules, explanations and examples in easy, accessible language supported by pictorial representations (wherever possible) with practice exercises on the facing page. This format allows for easy and repeated reference, so that students are able to internalise the rules.

The course covers all four language skills: listening, reading, writing and speaking.

### **Semester I**

#### **Recommended Readings**

Everyday English I, Pearson, Delhi, 2005, Units 1-20

Raymond Murphy, Essential English Grammar, 2<sup>nd</sup> Ed, Cambridge University Press, Cambridge, 2007, Units 1-56

### **Semester II**

#### **Recommended Readings**

Everyday English II (Foundation 2006), Units 1-21

Raymond Murphy, Essential English Grammar, 2<sup>nd</sup> Ed, Cambridge University Press, Cambridge, 2007, Units 57-114

**Any other related Reading which has worked well in interactive pedagogy may be recommended and circulated through U.G.C., CBCS Committee**



B. A. (Hons)		GERMAN	
Semester	Course		Name of the Paper
I	I		Developing reading and writing skills 1
	II		Developing listening and speaking skills 1
II	III		Language in Context: Developing reading and writing skills-2
	IV		Intermediate level reading and writing skills-1
III	V		Developing intermediate level speaking and listening skills-2
	VI		Studying Different text types
	VII		Advanced reading and writing skills-1
IV	VIII		Developing reading and writing skills 2
	IX		Debating on Various social issues
IV	X		History of Germany in relation to Europe
V	XI		History of German Literature
	XII		Introduction to translation
	XIII		Rhetoric and Composition
VI	XIV		Reading Texts
	<b>Discipline Specific Elective (DSe)</b>		
	I		History of German Languages and Different Language Registers
	II		Introduction to Consecutive and Simultaneous Interpretation from German to Hindi/English/regional languages in Language Laboratory
	III		Children and Adolescent Literature
	IV		Techniques of Written Expression
	V		German in the classroom
	VI		Life in German speaking countries, Elements of History, Culture and Civilization
	VII		History of European Art (From Renaissance to Contemporary period)
	VIII		Life Writing: Autobiography/Biography/Travelogue
<b>Generic Elective Course</b>			
	I		Introduction to French
	II		Introduction to German
	III		Introduction to Italian
	IV		Introduction to Portuguese
	V		Introduction to Romanian
	VI		Introduction to Spanish
<b>Skill Enhancement Courses</b>			
	I		German in the Travel and Tourism Sector
	II		Business German
	III		Food and Social Life in the German Speaking World
	IV		Media Skills

B.A. (Hons) ITALIAN		
Semester	Course	Name of the Paper
I	I	Developing reading and writing skills 1
	II	Developing listening and speaking skills 1
II	III	Language in Context: Developing reading and writing skills-2
	IV	Intermediate level reading and writing skills
III	V	Developing intermediate level speaking and listening skills
	VI	Studying Different text types
	VII	Advanced reading and writing skills1
IV	VIII	Developing Advanced reading and writing skills 2
	IX	Debating on Various social issues
IV	X	History of Italy in relation to Europe
V	XI	History of Italian Literature
	XII	Introduction to translation
	XIII	Rhetorics and Composition
VI	XIV	Reading Texts
Discipline Specific Elective (DSe)		
	I	History of Italian Languages and Different Language Registers
	II	Introduction to Consecutive and Simultaneous Interpretation from Italian to Hindi/English/regional languages in Language Laboratory
	III	Children and Adolescent Literature
	IV	Techniques of Written Expression
	V	Italian in the classroom
	VI	Life in Italy Elements of History, Culture and Civilization
	VII	History of European Art (From Renaissance to Contemporary period)
	VIII	Life Writing: Autobiography/Biography/Travelogue
Generic Elective Course		
	I	Introduction to French
	II	Introduction to German
	III	Introduction to Italian
	IV	Introduction to Portuguese
	V	Introduction to Romanian
	VI	Introduction to Spanish
Skill Enhancement Courses		
	I	Italian in the Travel and Tourism Sector
	II	Business Italian
	III	Food and Social Life in the Italy
	IV	Italian Studies Media Skills

**B.A. (Hons.) SPANISH**

<b>Semester</b>	<b>Course</b>	<b>Name of the Paper</b>
I	I	Developing reading and writing skills 1
	II	Developing listening and speaking skills 1
II	III	Language in Context: Developing reading and writing skills-2
	IV	Intermediate level reading and writing skills
III	V	Developing intermediate level speaking and listening skills
	VI	Studying Different text types
	VII	Advanced reading and writing skills 1
IV	VIII	Developing Advanced reading and writing skills 2
	IX	Debating on Various social issues
IV	X	History of Spanish in relation to Europe
V	XI	History of Spanish Literature
	XII	Introduction to translation
VI	XIII	Rhetorics and Composition
	XIV	Reading Texts
<b>Discipline Specific Elective (DSe)</b>		
	I	History of Spanish Languages and Different Language Registers
	II	Introduction to Consecutive and Simultaneous Interpretation from Italian to Hindi/English/regional languages in Language Laboratory
	III	Children and Adolescent Literature
	IV	Techniques of Written Expression
	V	Spanish in the classroom
	VI	Life in Spanish Elements of History, Culture and Civilization
	VII	History of European Art (From Renaissance to Contemporary period)
	VIII	Life Writing: Autobiography/Biography/Travelogue
<b>Generic Elective Course</b>		
	I	Introduction to French
	II	Introduction to German
	III	Introduction to Italian
	IV	Introduction to Portuguese
	V	Introduction to Romanian
	VI	Introduction to Spanish
<b>Skill Enhancement Courses</b>		
	I	Spanish in the Travel and Tourism Sector
	II	Business Spanish
	III	Food and Social Life in the Spanish
	IV	Media Skills

**B.A. (Hons.) FRENCH**

<b>Semester</b>	<b>Course</b>	<b>Name of the Paper</b>
I	I	Developing reading and writing skills 1
	II	Developing listening and speaking skills 1
II	III	Language in Context: Developing reading and writing skills-2
	IV	Intermediate level reading and writing skills
III	V	Developing intermediate level speaking and listening skills 2
	VI	Studying Different text types
	VII	Advanced reading and writing skills1
IV	VIII	Developing Advanced reading and writing skills 2
	IX	Debating on Various social issues
IV	X	History of France in relation to Europe and history of French Speaking country.
V	XI	History of French and Francophone Literature
	XII	Introduction to translation
VI	XIII	Rhetorics and Composition
	XIV	Reading Texts
<b>Discipline Specific Elective (DSe)</b>		
	I	History of French Languages and Different Language Registers
	II	Introduction to Consecutive and Simultaneous Interpretation from French to Hindi/English/regional languages in Language Laboratory
	III	Children and Adolescent Literature
	IV	Techniques of Written Expression
	V	French in the classroom
	VI	Life in France and Francophone countries Civilization
	VII	History of European Art (From Renaissance to Contemporary period)
	VIII	Life Writing: Autobiography/Biography/Travelogue
<b>Generic Elective Course</b>		
	I	Introduction to French
	II	Introduction to German
	III	Introduction to Italian
	IV	Introduction to Portuguese
	V	Introduction to Romanian
	VI	Introduction to Spanish
<b>Skill Enhancement Courses</b>		
	I	French in the Travel and Tourism Sector
	II	Business French
	III	Food and Social Life in French Speaking World
	IV	Media Skills

### **French core Paper in B.A. Programme**

Semester-I	Study of the Language(1)
Semester-II	Study of the Language(2)
Semester-III	Study of the Language(3)
Semester-IV	Study of the Language, Culture and Literature

### **Discipline Specific Elective**

Semester-V	Life in France and Francophone Countries
Semester-V	French Media Studies
Semester-VI	Introduction to Translation
Semester-VI	Children and Adolescent Literature

### **Skill Enhancement Courses**

Semester-III	French through audio visual methods: Songs and Lyrics
Semester-IV	French through audio visual methods: Films
Semester-V	French in the travel and tourism sector
Semester-VI	Business French

### **Generic Elective**

Semester-VI	Introduction to French
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### **German core Paper in B.A. Programme**

Semester-I	Study of the Language(1)
Semester-II	Study of the Language(2)
Semester-III	Study of the Language(3)
Semester-IV	Study of the Language, Culture and Literature

### **Discipline Specific Elective**

Semester-V	Life in German speaking Countries, Elements of History, Culture and Civilization
Semester-V	German Media Studies
Semester-VI	Introduction to Translation
Semester-VI	Children and Adolescent Literature

### **Skill Enhancement Courses**

Semester-III	German through audio visual methods: Songs and Lyrics
Semester-IV	German through audio visual methods: Films
Semester-V	German in the travel and tourism sector
Semester-VI	Business German

### **Generic Elective**

Semester-VI	Introduction to German
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### **Spanish core Paper in B.A. Programme**

Semester-I	Study of the Language(1)
Semester-II	Study of the Language(2)
Semester-III	Study of the Language(3)
Semester-IV	Study of the Language. Culture and Literature

### **Discipline Specific Elective**

Semester-V	Life in Spain and Latin American Countries, Elements of History, Culture and Civilization
Semester-V	Hispanic Media Studies
Semester-VI	Introduction to Translation
Semester-VI	Children and Adolescent Literature

### **Skill Enhancement Courses**

Semester-III	Spanish through audio visual methods: Songs and Lyrics
Semester-IV	Spanish through audio visual methods: Films
Semester-V	Spanish in the travel and tourism sector
Semester-VI	Business Spanish

### **Generic Elective**

Semester-VI	Introduction to Spanish
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# B.Sc. (Hons.) Mathematics

## Structure

	<b>Core Course (14)</b>	<b>Ability Enhancement Compulsory Course (AECC) (2)</b>	<b>Skill Enhancement Course (SEC) (2)</b>	<b>Elective Discipline Specific DSE (4)</b>	<b>Elective: Generic (4)</b>
I	C 1 Calculus (including practicals)	(English communication/MIL) /Environmental Science			GE-1
	C 2 Algebra				
II	C 3 Real Analysis	(English communication/MIL) /Environmental Science			GE-2
	C 4 Differential Equations (including practicals)				
III	C 5 Theory of Real functions		SEC-1 LaTeX and		GE-3



			HTML		
	C 6 Group Theory-I				
	C 7 Multivariate Calculus (including practicals)				
IV	C 8 Partial Differential Equations (including practicals)		SEC-2 Computer Algebra Systems and Related Softwares		GE-4
	C 9 Riemann Integration & Series of functions				
	C 10 Ring Theory & Linear Algebra-I				
V	C 11 Metric Spaces			<b>DSE-1 (including practicals)</b> (i) Numerical Methods <b>or</b> (ii) Mathematical Modeling and Graph Theory <b>or</b> (iii) C++ Programming <b>DSE-2</b> (i) Mathematical Finance <b>or</b> (ii) Discrete Mathematics	

				or (iii) Cryptography and Network Security	
	C 12 Group Theory-II				
VI	C 13 Complex Analysis (including practicals)			<b>DSE-3</b> (i) Probability theory & Statistics or (ii) Mechanics or (iii) Bio-Mathematics  <b>DSE-4</b> (i) Number Theory or (ii) Linear Programming and Theory of Games or (iii) Applications of Algebra	
	C 14 Ring Theory and Linear Algebra-II				

## Mathematics Papers in B.A. (Prog.)

Sl. No.	CORE COURSE (12)	Ability Enhancement Compulsory Course	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DSE (6)
I	Calculus			
II	Algebra			
III	Analytic Geometry and Applied Algebra		SEC-1 LaTeX and HTML	
IV	Analysis		SEC-2 Computer Algebra Systems and Related Softwares	
V			SEC-3 Operating System: Linux	DSE-1 (I) Differential Equations or (ii) Discrete Mathematics
VI			SEC-4 Transportation and Game Theory	DSE-2 (I) Numerical Analysis or (ii) Statistics

Mathematics paper in B.Sc.(H)/B.A.(H) and other than B.Sc.(H) Mathematics

Sl. No.	CORE COURSE (12)	Ability Enhancement Compulsory Course	Skill Enhancement Course (SEC) (2)	GE
I				GE 1- Calculus
II				GE 2- Linear Algebra
III				GE 3- Differential Equations
IV				GE 4- Numerical Methods Or GE 4- Elements of Analysis
V				
VI				

**Skill Enhancement Course paper in  
B.Sc.(H) Mathematics/B.Sc.(Prog.) / B.A.(Prog.)**

Sl. No.	CORE COURSE (12)	Ability Enhancement Compulsory Course	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DSE (6)
I			SEC-1 LaTeX and HTML	
II			SEC-2 Computer Algebra Systems and Related Softwares	
III			SEC-3 Operating System: Linux	
IV			SEC-4 Transportation and Game Theory	
V				
VI				

## Physical Sciences / Applied Physical Sciences in B.Sc. (Prog.)

Sl. No.	CORE COURSE (12)	Ability Enhancement Compulsory Course	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DSE (6).
I	Calculus and Matrices			
II	Calculus and Geometry			
III	Algebra		SEC-1 LaTeX and HTML	
IV	Real Analysis		SEC-2 Computer Algebra Systems and Related Softwares	
V			SEC-3 Operating System: Linux	DSE-1 (I) Differential Equations or (ii) Mechanics and Discrete Mathematics
VI			SEC-4 Transporta tion and Game Theory	DSE-2 (I) Numerical Methods or (ii) Probability and Statistics

## B.Sc. Mathematical Sciences

- (a) Six papers of Mathematics are compulsory, one in each semester. There are four core courses and two disciplines elective for each discipline.
- (b) Six papers each from two of the following three disciplines: Statistics, Operational Research, and Computer Science.
- (c) Two skill based papers to be chosen from any of the four disciplines.

### SEMESTER – I

	Maths –I
	OR-I, CS-I
	or CS-I, Stats-I
	or Stats-I, OR-I
Ability Enhancement Course	

### SEMESTER – II

	Maths –II
	OR-II, CS-II
	or CS-II, Stats-II
	or Stats-II, OR-II
Ability Enhancement Course	

### SEMESTER – III

	Maths –III
	OR-III, CS-III
	or CS-III, Stats-III
	or Stats-III, OR-III
Skill Enhancement Course	SEC MT-1/SEC OR-1/ SEC CS-1/ SEC ST-1

### SEMESTER – IV

	Maths –IV
	OR-IV, CS-IV
	or CS-IV, Stats-IV
	or Stats-IV, OR-IV
Skill Enhancement Course-2	SEC MT-2/SEC CS-2/ SEC OR-2/ SEC ST-2

### SEMESTER – V

	Maths DSE-1
	OR, CS, DSE 1
	or CS, Stats, DSE 1
	or Stats, OR, DSE 1
Skill Enhancement Course-3	SEC MT-3/SEC CS-3/ SEC OR-3/ SEC ST-3

### SEMESTER – VI

	Maths DSE-2
	OR, CS, DSE 2
	or CS, Stats, DSE 2
	or Stats, OR, DSE 2
Skill Enhancement Course-4	SEC MT-4/SEC CS-4/ SEC OR-4/ SEC ST-4



## **Structure**

### **Core Courses**

Semester-I	Calculus and Matrices
Semester-II	Calculus and Geometry
Semester-III	Algebra
Semester-IV	Real Analysis

### **Discipline Specific Elective**

Semester-V	Differential Equations
Semester-VI	Numerical Methods

### **Skill Enhancement Course Papers**

- SEC-1 LaTeX and HTML
- SEC-2 Computer Algebra Systems and Related Softwares
- SEC-3 Operating System: Linux
- SEC-4 Transportation and Game Theory

## B.A. Program Statistics

### CORE COURSES STRUCTURE

Semester	Papers	Page No.
1	Core 1: Basic Statistics and Probability	1-2
2	Core 2: Statistical Methodology	3-4
3	Core 3: Theory of Statistical Inference	5-6
4	Core 4: Survey Sampling and Design of Experiments	7-8

### SKILL ENHANCEMENT COURSES STRUCTURE

Semester	Papers	Page No.
3	SE 1: Data Analysis using Spread Sheet	9-9
4	SE 2: Statistical Computations using Software (SPSS/R)	10-10
5	SE 3: Simulation Techniques in Statistics	11-11
6	SE 4: Research Methods	12-12

### DISCIPLINE SPECIFIC ELECTIVE COURSES STRUCTURE

Semester	Papers	Page No.
5	DSE 1-(i): Demography	13-13
	DSE 1-(ii): Applied Statistics- I	14-15
6	DSE 2-(i): Applied Statistics- II	16-16
	DSE 2-(ii): Demand Analysis and Linear Regression	17-17

**Structures of Core Courses, Skill Enhancement Courses and  
Discipline Specific Elective Courses in  
B.Sc. Program Statistics**

**CORE COURSES STRUCTURE**

Semester	Papers	Page No.
1	Core 1: Descriptive Statistics and Probability Theory	1-2
2	Core 2: Statistical Methods	3-4
3	Core 3: Statistical Inference	5-6
4	Core 4: Sample Surveys and Design of Experiments	7-8

**SKILL ENHANCEMENT COURSES STRUCTURE**

Semester	Papers	Page No.
3	SE 1: Data Analysis using Software	9-9
4	SE 2: Statistical Computing using C	10-11
5	SE 3: Statistical Simulation	12-12
6	SE 4: Statistical Techniques for Research Methods	13-13

**DISCIPLINE SPECIFIC ELECTIVE COURSES STRUCTURE**

Semester	Papers	Page No.
5	DSE 1-(i): Vital Statistics	14-14
	DSE 1-(ii): Statistical Techniques for Quality Control	15-15
6	DSE 2-(i): Index Number and Time Series Analysis	16-17
	DSE 2-(ii): Econometrics	18-18

# B.Sc. Honours Statistics

## Core Papers (Credit: 6 each) (14 papers)

- STAT-C-101 Descriptive Statistics (Theory+ Practical)
- STAT C-102 Calculus
- STAT-C-201 Probability and Probability Distributions (Theory+ Practical)
- STAT C-202 Algebra(Theory+ Practical)
- STAT-C-301 Sampling Distributions (Theory+ Practical)
- STAT-C-302 Survey Sampling and Indian Official Statistics (Theory+ Practical)
- STAT C-303 Mathematical Analysis(Theory+ Practical)
- STAT-C-401 Statistical Inference (Theory+ Practical)
- STAT-C-402 Linear Models (Theory+ Practical)
- STAT-C-403 Statistical Quality Control (Theory+ Practical)
- STAT-C-501 Stochastic Processes and Queuing Theory (Theory+ Practical)
- STAT-C-502 Statistical Computing Using C/C++ Programming (Theory+ Practical)
- STAT-C-601 Design of Experiments (Theory+ Practical)
- STAT-C-602 Multivariate Analysis and Nonparametric Methods (Theory+ Practical)

## Discipline Specific Elective Papers (Credit: 6 each) (4 papers to be selected)

### DSE-1

- (A) Time Series Analysis(Theory+ Practical)
- or
- (B) Demography and Vital Statistics (Theory+ Practical)

### DSE-2

- (A) Operations Research(Theory+ Practical)
- or
- (B) Econometrics(Theory+ Practical)

### DSE-3

- (A) Actuarial Statistics(Theory+ Practical)
- or
- (B) Survival Analysis and Biostatistics(Theory+ Practical)

### DSE-4

- (A) Financial Statistics(Theory+ Practical)
- or
- (B) Project Work (Sixth Semester)

## Skill Enhancement Electives (Credit: 2 each) (2 papers to be selected)

1. Statistical-Data Analysis Using Software Packages
2. Statistical Data Analysis Using R
3. Statistical Techniques for Research Methods
4. Data Base Management Systems

**Generic Elective Papers (GE) (Credit: 6 each) (to be offered to other Departments/Disciplines)**

1. Statistical Methods
2. Introductory Probability
3. Basics of Statistical Inference
4. Applied Statistics

## B.Sc. (Hons.) Computer Science

SEMESTER	COURSE OPTED	COURSE NAME	Credits
I			
	Core course-I	Programming Fundamentals using C++	4
	Core Course-I Practical/Tutorial	Programming Fundamentals using C++ Lab	2
	Core course-II	Computer System Architecture	4
	Core Course-II Practical/Tutorial	Computer System Architecture Lab	2
	Generic Elective-1	GE-1	4/5
	Generic Elective-1 Practical/Tutorial		2/1
II			2
	Core course-III	Programming in JAVA	4
	Core Course-III Practical/Tutorial	Programming in JAVA Lab	2
	Core course-IV	Discrete Structures	5
	Core Course-IV Practical/Tutorial	Discrete Structures Tutorial	1
	Generic Elective-2	GE-2	4/5
	Generic Elective-2 Practical/Tutorial		2/1
III	Core course-V	Data Structures	4
	Core Course-V Practical/Tutorial	Data Structures Lab	2
	Core course-VI	Operating Systems	4
	Core Course-VI Practical/Tutorial	Operating Systems Lab	2
	Core course-VII	Computer Networks	4
	Core Course-VII Practical/Tutorial	Computer Networks Lab	2
	Skill Enhancement Course-1	SEC-1	2
	Generic Elective-3	GE-3	4/5
	Generic Elective-3 Practical/Tutorial		2/1
IV	Core course-VIII	Design and Analysis of Algorithms	4
	Course-VIII Practical/Tutorial	Design and Analysis of Algorithms Lab	2
	Core course-IX	Software Engineering	4
	Core Course-IX Practical/Tutorial	Software Engineering Lab	2
	Core course-X	Database Management Systems	4
	Core Course-X Practical/Tutorial	Database Management Systems Lab	2
	Skill Enhancement Course-2	SEC-2	2
	Generic Elective-4	GE-4	4/5
	Generic Elective-4 Practical		2/1
V	Core course-XI	Internet Technologies	4
	Core Course-XI Practical/Tutorial	Internet Technologies Lab	2
	Core course-XII	Theory of Computation	5
	Core Course-XII Practical/Tutorial	Theory of Computation Tutorial	1
	Discipline Specific Elective-1	DSE-1	4
Discipline Specific Elective-1 Practical/Tutorial	DSE-1 Lab	2	
	Discipline Specific Elective-2	DSE-2	4

	Discipline Specific Elective-1 Practical/Tutorial	DSE-2 Lab	2
VI	Core course-XIII	Artificial Intelligence	4
	Core Course-III Practical/Tutorial	Artificial Intelligence Lab	2
	Core course-XIV	Computer Graphics	4
	Core Course-XIV Practical/Tutorial	Computer Graphics Lab	2
	Discipline Specific Elective-3	DSE-3	4
	Discipline Specific Elective-3 Practical/Tutorial	DSE-3 Lab	2
	Discipline Specific Elective-4	DSE-4	4
	Discipline Specific Elective-4 Practical/Tutorial	DSE-4 Lab	2
<b>Total Credits</b>			<b>140</b>

**Core Papers(C): (Credit: 06 each)**(1 period / week for tutorials or 4 periods / week of practical)

1. Programming Fundamentals using C++
2. Computer System Architecture
3. Programming in JAVA
4. Discrete Structures
5. Data Structures
6. Operating Systems
7. Computer Networks
8. Design and Analysis of Algorithms
9. Software Engineering
10. Database Management Systems
11. Internet Technologies
12. Theory of Computation
13. Artificial Intelligence
14. Computer Graphics

**Discipline Specific Elective Papers: (Credit: 06 each) – DSE- 1,DSE- 2 ,DSE- 3 , DSE- 4.**

**DSE – 1 (any one)**

- a) System Programming
- b) Numerical Methods
- c) Operational Research for Computer Science

**DSE – 2 (any one)**

- a) Microprocessor
- b) Modeling and Simulation
- c) Advanced Algorithms

**DSE – 3 (any one)**

- a) Machine Learning
- b) Introduction to Data Sciences
- c) Combinatorial Optimization

**DSE – 4 (any one)**

- a) Digital Image Processing
- b) Data Mining
- c) Project Work / Dissertation

**Note:** Universities may include more options or delete some from this list

**Other Discipline (Four papers of any one discipline) – GE 1 to GE 4**

Any one discipline of importance

**Skill Enhancement Courses (Credit: 02 each): SEC – 1, SEC – 2**

**SEC – 1**

Android Programming

**SEC – 2**

PHP Programming

**Note:** Universities may include more options or delete some from this list



## Computer Science in B.Sc. (Prog.)

SEMESTER	COURSE OPTED	COURSE NAME	Credits
I	Ability Enhancement Compulsory Course-I	English/MIL communications/ Environmental Science	2
	Core course-I	Problem Solving using Computer	4
	Core Course-I Practical/Tutorial	Software Lab using Python	2
	Core course-II	DSC 2A	6
	Core Course-III	DSC 3A	6
II	Ability Enhancement Compulsory Course-II	English/MIL communications/ Environmental Science	2
	Core course-IV	Database Management Systems	4
	Core Course-IV Practical/Tutorial	Database Management Systems Lab	2
	Core course-V	DSC 2B	6
	Core Course-VI	DSC 3B	6
III	Core course-VII	Operating Systems	4
	Core Course-VII Practical/Tutorial	Operating Systems Lab	2
	Core course-VIII	DSC 2C	6
	Core Course-IX	DSC 3C	6
	Skill Enhancement Course -1	SEC-1	2
IV	Core course-X	Computer System Architecture	4
	Course-X Practical/Tutorial	Computer System Architecture Lab	2
	Core course-XI	DSC 2D	6
	Course-XII	DSC 3D	6
	Skill Enhancement Course -2	SEC -2	2
V	Skill Enhancement Course -3	SEC -3	2
	Discipline Specific Elective -1	DSE-1A	6
	Discipline Specific Elective -2	DSE-2A	6
	Discipline Specific Elective -3	DSE-3A	6
VI	Skill Enhancement Course -4	SEC -4	2
	Discipline Specific Elective -4	DSE-1B	6
	Discipline Specific Elective -5	DSE-2B	6
	Discipline Specific Elective -6	DSE-3B	6
<b>Total Credits</b>			<b>120</b>

**Core Papers: Computer Science (Credit: 06 each)** (1 period / week for tutorials or 4 periods / week of practical)

1. Problem Solving using Computer
2. Database Management Systems
3. Operating System
4. Computer System Architecture

**Discipline Specific Elective Papers: (Credit: 06 each) (DSE-1, DSE -2)**

**Choose 2: One from each group.**

**Options for DSE-1:**

1. Programming in JAVA
2. Analysis of Algorithms and Data Structures

**Options for DSE-2:**

1. Internet Technologies
2. Project Work / Dissertation

**Note:** Universities may include more options or delete some from this list

**Skill Enhancement Courses (any four) (Credit: 02 each) – SEC1, SEC2, SEC3, SEC4**

**Choose one from each group.**

**Options for SEC1:**

1. Office Automation Tools

**Options for SEC2:**

1. PHP Programming

**Options for SEC3:**

1. System Administration and Maintenance

**Options for SEC4:**

1. Android Programming

**Note:** Universities may include more options or delete some from this list

**Important:**

## Computer Applications in B.A. (Prog.)

SEMESTER	COURSE OPTED	COURSE NAME	Credits
I	Ability Enhancement Compulsory Course-I	English/MIL communications/ Environmental Science	2
	Core course-I	English/MIL-1	6
	Core Course-II	DSC -1A-Computer Fundamentals	4
	Core course-II Practical/Tutorial	DSC -1A-Computer Fundamentals Lab	2
	Core Course-III	DSC 2A	6
II	Ability Enhancement Compulsory Course-II	English/MIL communications/ Environmental Science	2
	Core course-IV	English/MIL-1	6
	Core Course-V	DSC -1B-Database Management	4
	Core course-V Practical/Tutorial	DSC -1B-Database Management Systems Lab	2
	Core Course-VI	DSC 2B	6
III	Core course-VII	English/MIL-2	6
	Core Course-VIII	DSC -1C-Computer Networks and Internet Technologies	4
	Core course-VIII Practical/Tutorial	DSC -1C-Computer Networks and Internet Technologies Lab	2
	Core Course-IX	DSC 2C	6
	Skill Enhancement Course-1 Theory/ Practical/Tutorial	SEC-1- Office Automation Tools	1 + 1
IV	Core course-X	English/MIL-2	6
	Course-XI	DSC -1D-Multimedia Systems and Applications	4
	Core course-XI Practical/Tutorial	DSC -1D-Multimedia Systems and Applications Lab	2
	Course-XII	DSC 2D	6
	Skill Enhancement Course-2 Theory/Practical/Tutorial	SEC-2 Search Engine Optimisation	1 + 1
V	Skill Enhancement Course-3A Theory/Practical/Tutorial	SEC-3A - Open Source Software	1 + 1
	Skill Enhancement Course-3B Theory/Practical/Tutorial	SEC-3B - Introduction to Linux	1 + 1
	Discipline Specific Elective -1A	DSE-1A - Programming with Python	4
	Discipline Specific Elective -1A Practical/Tutorial	DSE-1A - Programming with Python Lab	2
	Discipline Specific Elective -1B	DSE-1B – Visual Programming	4
	Discipline Specific Elective -1B Practical/Tutorial	DSE-1B - Visual Programming Lab	2

	Generic Elective – 1	GE – 1 - IT Fundamentals	4
	Generic Elective – 1 Practical/Tutorial	GE – 1 – Lab	2
VI	Skill Enhancement Course -4A Theory/Practical/Tutorial	SEC-4A - Web Design using HTML5	1+ 1
	Skill Enhancement Course -4B Theory/Practical/Tutorial	SEC-4B - PHP Programming	1 + 1
	Skill Enhancement Course -4C Theory/Practical/Tutorial	SEC-4C - Programming using C++	1 + 1
	Discipline Specific Elective -2A	DSE-2A - Information Security and Cyber Laws	4
	Discipline Specific Elective -2A Practical/Tutorial	DSE-2A - Information Security and Cyber Laws Lab	2
	Discipline Specific Elective -2B	DSE-2B - Software Engineering	4
	Discipline Specific Elective -2B Practical/Tutorial	DSE-2B - Software Engineering Lab	2
	Discipline Specific Elective -2C	DSE-2C - Dissertation / Project Work	2
	Discipline Specific Elective -2C Practical/Tutorial	DSE-2C - Dissertation / Project Work Lab	4
	Generic Elective –2	GE – 2 - Multimedia and Web Design	4
	Generic Elective –2 Practical/Tutorial	GE – 2 – Lab	2
<b>Total Credits</b>			<b>120</b>

**Core Papers: (Credit: 06 each) (DSC-1,DSC2,DSC3,DSC4)**(1 period / week for tutorials or 4 periods / week of practical) : All Compulsory from Semester I to IV one paper each.

1. Computer Fundamentals
2. Database Management Systems
3. Computer Networks and Internet Technologies
4. Multimedia Systems and Applications

**Discipline Specific Elective Papers: (Credit: 06 each) (DSE-1, DSE -2):**

**Options for DSE 1, choose one**

1. DSE-1A Programming with Python
2. DSE-1B Visual Programming

**Options for DSE 2 , choose one**

1. DSE-2A Information Security and Cyber Laws
2. DSE-2B Software Engineering

**Note:** Universities may include more options or delete some from this list

**Skill Enhancement Courses (Credit: 02 each) – SEC1,SEC2,SEC3, SEC4:**

1. SEC-1 Office Automation Tools
2. SEC-2 Search Engine Optimisation
3. **Options for SEC-3 , choose one**  
SEC-3A Open Source Software
4. **Options for SEC-4 , choose one**  
SEC-4A Web Design using HTML5

## Mathematical Sciences in B.Sc. (Prog.)

SEMESTER	COURSE OPTED	COURSE NAME	Credits
I	Ability Enhancement Compulsory Course-I	English/MIL communications/ Environmental Science	2
	Core course-I	Problem Solving using Computer	4
	Core Course-I Practical/Tutorial	Software Lab using Python	2
	Core course-II	DSC 2A	6
	Core Course-III	DSC 3A	6
II	Ability Enhancement Compulsory Course-II	English/MIL communications/ Environmental Science	2
	Core course-IV	Database Management Systems	4
	Core Course-IV Practical/Tutorial	Database Management Systems Lab	2
	Core course-V	DSC 2B	6
	Core Course-VI	DSC 3B	6
III	Core course-VII	Operating Systems	4
	Core Course-VII Practical/Tutorial	Operating Systems Lab	2
	Core course-VIII	DSC 2C	6
	Core Course-IX	DSC 3C	6
	Skill Enhancement Course -1	SEC-1	2
IV	Core course-X	Computer System Architecture	4
	Course-X Practical/Tutorial	Computer System Architecture Lab	2
	Core course-XI	DSC 2D	6
	Course-XII	DSC 3D	6
	Skill Enhancement Course -2	SEC -2	2
V	Skill Enhancement Course -3	SEC -3	2
	Discipline Specific Elective -1	DSE-1A	6
	Discipline Specific Elective -2	DSE-2A	6
	Discipline Specific Elective -3	DSE-3A	6
VI	Skill Enhancement Course -4	SEC -4	2
	Discipline Specific Elective -4	DSE-1B	6
	Discipline Specific Elective -5	DSE-2B	6
	Discipline Specific Elective -6	DSE-3B	6
Total Credits			120

**Core Papers: Computer Science (Credit: 06 each)** (1 period / week for tutorials or 4 periods / week of practical)

1. Problem Solving using Computer
2. Database Management Systems
3. Operating System
4. Computer System Architecture

**Discipline Specific Elective Papers: (Credit: 06 each) (DSE-1, DSE -2)**

**Choose 2: One from each group.**

**Options for DSE-1:**

1. Programming in JAVA
2. Analysis of Algorithms and Data Structures

**Options for DSE-2:**

1. Internet Technologies
2. Project Work / Dissertation

**Note:** Universities may include more options or delete some from this list

**Skill Enhancement Courses (any four) (Credit: 02 each) – SEC1, SEC2, SEC3, SEC4**

**Choose one from each group.**

**Options for SEC1:**

1. Office Automation Tools

**Options for SEC2:**

1. PHP Programming

**Options for SEC3:**

1. System Administration and Maintenance

**Options for SEC4:**

1. Android Programming

**Note:** Universities may include more options or delete some from this list

**Important:**

1. Each University/Institute should provide a brief write-up about each paper outlining the salient features, utility, learning objectives and prerequisites.
2. University/Institute can add/delete some experiments of similar nature in the Laboratory papers.
3. The size of the practical group for practical papers is recommended to be 10-15 students.
4. University/Institute can add to the list of reference books given at the end of each paper.

**CORE PAPERS:**

**1. Problem Solving using Computer**

**Total Marks:150**

**Theory 75**

**Practical: 50**

**Internal Assessment: 25**

**5Lectures ,4 Practicals ( each in group of 10 to 15)**

**Computer Fundamentals:** Introduction to Computers: Characteristics of Computers, Uses of computers, Types and generations of Computers. (2L)

Basic Computer Organization - Units of a computer, CPU, ALU, memory hierarchy, registers, I/O devices. (2L)

**Programming with Python**

**Planning the Computer Program:** Concept of problem solving, Problem definition, Program design, Debugging, Types of errors in programming, Documentation. **4L**

**Techniques of Problem Solving:** Flowcharting, decision table, algorithms, Structured programming concepts, Programming methodologies viz. top-down and bottom-up programming. **6L**

**Overview of Programming :** Structure of a Python Program, Elements of Python **4L**

**Introduction to Python:** Python Interpreter, Using Python as calculator, Python shell, Indentation. Atoms, Identifiers and keywords, Literals, Strings, Operators(Arithmetic operator, Relational operator, Logical or Boolean operator, Assignment, Operator, Ternary operator, Bit wise operator, Increment or Decrement **4L**

## General Elective for Students other than B.Sc. (Hons.) / Computer Science

Generic Elective: Computer Science Papers

For Students of B.Sc.(Hons.) / B.A.(Hons.)

Sem.	Core Course (DCC) (14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Elective: Discipline Specific Elective (4)	Generic Elective (GE) (4)
I					<b>GE 1</b> Introduction to Programming (Theory and Practical)
II					<b>GE 2</b> Introduction to Database Systems (Theory and Practical)
III					<b>GE 3</b> Computer Networks and Internet Technologies (Theory and Practical)
IV					<b>GE 4</b> Information Security and Cyber Laws (Theory and Practical)
V					
VI					



## B.A. (Prog.) Operational Research

Sem.	CORE COURSE (DCC) (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective DSE
I	Introduction to Operational Research and Linear Programming (Theory+ Practical)	AECC 1 (English/MIL Communication) /Environmental Science		
II	Inventory and Marketing Management (Theory+ Practical)	AECC 2 Environmental Science/ (English/MIL Communication)		
III	Optimization Techniques(Theory+ Practical)		SEC - OR 1 Operational Research Applications	
IV	Network Models and Scheduling Techniques(Theory+ Practical)		SEC - OR 2 Project Management	
V			SEC - OR 3 Portfolio Optimization	<b>DSE 1</b> 1) Queuing and Reliability Theory (Theory and practical) <b>OR</b> 2) Quality Management (Theory and Tutorials)
VI			SEC - OR 4 Business Data Analysis	<b>DSE 2</b> 1) Integer Programming and Theory of Games (Theory and practical) <b>OR</b> 2) Logistics and Supply Chain Management (Theory and Tutorials)

## B.Sc. (Prog.) Physical Sciences

Sem.	CORE COURSE (DCC) (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective DSE
I	Introduction to Operational Research and Linear Programming (Theory + Practical)	AECC 1 (English/MIL Communication) /Environmental Science		
II	Inventory and Marketing Management (Theory+ Practical)	AECC 2 Environmental Science/ (English/MIL Communication)		
III	Optimization Techniques (Theory+ Practical)		SEC - OR 1 Operational Research Applications	
IV	Network Models and Scheduling Techniques (Theory+ Practical)		SEC - OR 2 Project Management	
V			SEC - OR 3 Portfolio Optimization	DSE 1 1) Queuing and Reliability Theory (Theory and Practical) OR 2) Quality Management (Theory and Tutorials)
VI			SEC - OR 4 Business Data Analysis	DSE 2 1) Integer Programming and Theory of Games (Theory and practical) OR 2) Logistics and Supply Chain Management (Theory and Tutorials)

## B.Sc. (Prog.) Applied Physical Sciences

Sem.	CORE COURSE (DCC) (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective DSE
I	Introduction to Operational Research and Linear Programming (Theory + Practical)	AECC 1 (English/MIL Communication) /Environmental Science		
II	Inventory and Marketing Management (Theory + Practical)	AECC 2 Environmental Science/ (English/MIL Communication)		
III	Optimization Techniques (Theory + Practical)		SEC - OR 1 Operational Research Applications	
IV	Network Models and Scheduling Techniques (Theory + Practical)		SEC - OR 2 Project Management	
V			SEC - OR 3 Portfolio Optimization	DSE 1 1) Queueing and Reliability Theory (Theory and Practical) OR 2) Quality Management (Theory and Tutorials)
VI			SEC - OR 4 Business Data Analysis	DSE 2 1) Integer Programming and Theory of Games (Theory and practical) OR 2) Logistics and Supply Chain Management (Theory and Tutorials)

**Generic Elective : Operational Research Papers  
for Students of B.Sc.(Hons.)/B.A.(Hons.)**

Sem.	CORE COURSE (DCC) (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Generic Elective (GE)
I				<b>GE 1</b> Introduction to Operational Research and Linear Programming (Theory and practical)
II				<b>GE 2</b> Inventory Management (Theory and practical)
III				<b>GE 3</b> Queueing and Reliability Theory (Theory and practical)
IV				<b>GE 4</b> Integer Programming and Theory of Games (Theory and practical)
V				
VI				

**B.Sc. (Program) Mathematical Sciences/Physical Science/Applied Physical Science/B.A. (Program)**

Sem.	CORE COURSE (DCC) (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective DSE (6)
I				
II				
III			SEC - OR 1 Operational Research Applications	
IV			SEC - OR 2 Project Management	
V			SEC - OR 3 Portfolio Optimization	
VI			SEC - OR 4 Business Data Analysis	

**B.Sc. (Program) Mathematical Sciences  
(Operational Research)**

Sem.	CORE COURSE (DCC) (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective DSE (6)
I	Introduction to Operational Research and Linear Programming (Theory + Practical)	AECC 1 (English/MIL Communication) / Environmental Science		
II	Inventory and Marketing Management (Theory + Practical)	AECC 2 Environmental Science / (English/MIL Communication)		
III	Optimization Techniques (Theory + Practical)		SEC - OR 1 Operational Research Applications	
IV	Network Models and Scheduling Techniques (Theory + Practical)		SEC - OR 2 Project Management	
V			SEC - OR 3 Portfolio Optimization	DSE 1 1) Queuing and Reliability Theory (Theory and Practical) OR 2) Quality Management (Theory and Tutorials)
VI			SEC - OR 4 Business Data Analysis	DSE 2 1) Integer Programming and Theory of Games (Theory and Practical) OR 2) Logistics and Supply Chain Management (Theory and Tutorials)

**CHOICE BASED CREDIT SYSTEM IN B.A HONOURS HINDUSTANI MUSIC  
(VOCAL/INSTRUMENTAL - SITAR/ SAROD/ GUITAR/ VIOLIN/ SANTOOR)**

SEMESTER	CORE COURSE (14)	Ability Enhancement Compulsory Course(AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific DSE (4)	Elective: Generic (GE) (4)
I	C 1 Theory: General Theory C 2 Practical : Stage Performance & Viva-Voce	(English/MIL Communication)/ Environmental Science			GE-1
II	C 3 Theory: Theory of Indian Music C 4 Practical : Stage Performance & Viva-Voce	Environmental Science/(English/MIL Communication)			GE-2
III	C 5 Theory: Historical Study of the Musical Terms C 6 Practical : Stage Performance C 7 Practical : Viva Voce		SEC-1		GE-3
IV	C 8 Theory : Life & Contribution of Musicians and Musicologists C 9 Practical : Stage Performance C 10 Practical : Viva Voce		SEC-2		GE-4
V	C 11 Theory: History of Indian Music C 12 Practical : Stage Performance & Viva Voce			*DSE-1 Vocal/Instrumental/Karnatak/Percussion Music: (Tabla/Pakhawaj) *DSE-2 Vocal/Instrumental/Karnatak/Percussion Music: (Tabla/Pakhawaj)	
VI	C 13 Theory : Applied Theory C 14 Practical : Stage Performance & Viva Voce			*DSE-3 Vocal/Instrumental/Karnatak/Percussion Music: (Tabla/Pakhawaj) *DSE -4 Project Work: Vocal/Instrumental/Karnatak/Percussion Music	

\*These courses shall be offered to the students of B.A. Honours, other than their own discipline.

**CHOICE BASED CREDIT SYSTEM IN B.A HONOURS  
KARNATAK MUSIC (VOCAL/INSTRUMENTAL)**

Semester	CORE COURSE (14)	Ability Enhancement Compulsory Course(AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific DSE (4)	Elective: Generic (GE) (4)
I	C 1 Theory: General Musicology C 2 Practical : Stage Performance & Viva-Voce	(English/MIL Communication)/ Environmental Science			GE-1
II	C 3 Theory: Theory of Indian Music C 4 Practical : Stage Performance & Viva-Voce	Environmental Science/(English/MIL Communication)			GE-2
III	C 5 Theory: Indian Musicology C 6 Practical : Stage Performance C 7 Practical : Viva Voce		SEC-1		GE-3
IV	C 8 Theory : Indian Music C 9 Practical : Stage Performance C 10 Practical : Viva Voce		SEC-2		GE-4
V	C 11 Theory: Indian Music C 12 Practical : Stage Performance & Viva Voce			*DSE-1 Vocal/Instrumental /Karnatak/Percussion Music: (Tabla/Pakhawaj) *DSE-2 Vocal/Instrumental /Karnatak/Percussion Music: (Tabla/Pakhawaj)	
VI	C 13 Theory : Study of Hindustani Music C 14 Practical : Stage Performance & Viva Voce			*DSE-3 Vocal/Instrumental /Karnatak/Percussion Music: (Tabla/Pakhawaj) *DSE -4 Project Work: Vocal/Instrumental /Karnatak/Percussion Music	

\*These courses shall be offered to the students of B.A. Honours, other than their own discipline.



**Syllabus of Elective Course for B.A. (Hons.) Karnatak Music**  
**Choice Based Credit System**

Elective – I	75+25 =100	6
Elective – II	75+25 =100	6
Elective – III	75+25 =100	6
Project Work	75+25 =100	4
	400	22

**B.A. (Hons.)**  
**Course for students other than Karnatak Music (Vocal)**

Elective-I Max Marks – 100  
Marks – 75  
Credit-6

1. Basic technique of playing the instrument, Sapta svaras & Svarasthanas.
2. Sarali & Janta Swaras Varisas, Dhattu Swaras, Madhya Sthayi Swaras, Tara Sthayi Swaras.
3. Alankara in Khanda Eka, Chatusrajati Roopaka & Chatusrajati Tripata in Mayamalavagoula.
4. Pillari Geetams

INTERNAL ASSESSMENT Marks: 25

Elective-II Max Marks – 100  
Marks – 75  
Credit-6

1. All Varisais in 2 speeds
2. Alankara in Chatusrajati Dhruva & Misrajati Jhampa
3. Geetams in Ragas Mohana, Kalyani, Kamboji, Sudha Saveri rendered in 2 speeds.

INTERNAL ASSESSMENT Marks: 25

**B.A. (Hons.)**  
**Course for students other than Karnatak Music (Vocal)**

**Elective-III**

**Max Marks – 100**  
**Marks – 75**  
**Credit-6**

1. Alankaras covered in Elective I & II to be rendered in 3 speeds.
2. Two Alankaras to be rendered in Mohana & Kalyani ragas.
3. Any 2 kritis.

**INTERNAL ASSESSMENT**

**Marks: 25**

**Elective-IV**

**Project Work**

**Max Marks – 100**  
**Marks – 75**  
**Credit-4**

**Based on actual field work. Music Topic chosen in consultation with the teachers on the commencement of the semester VI.**

**INTERNAL ASSESSMENT**

**Marks: 25**

**B.A. (Hons.)**  
**Course for students other than Karnatak Music (Instrumental)**

<b>Elective-I</b>	<b>Max Marks – 100</b>
	<b>Marks – 75</b>
	<b>Credit-6</b>
1. All Sapta Swara Alankaras in Mayamalavagoula	
2. Two Geetams	
3. Two Jatiswarams	

**INTERNAL ASSESSMENT** **Marks: 25**

<b>Elective-II</b>	<b>Max Marks – 100</b>
	<b>Marks – 75</b>
	<b>Credit-6</b>
1. One Swarajati	
2. Two Adi tala varnams	
3. One Divyanama Keertana	

**INTERNAL ASSESSMENT** **Marks: 25**

**B.A. (Hons.)**  
**Course for students other than Karnatak Music (Instrumental)**

<b>Elective-III</b>	<b>Max Marks – 100</b>
	<b>Marks – 75</b>
	<b>Credit-6</b>
1. One Adi Tala Varnam in 2 speeds	
2. Two kritis in Adi & Roopaka tala	
3. One Tillana.	

**INTERNAL ASSESSMENT** **Marks: 25**

<b>Elective-IV</b>	<b>Project Work</b>	<b>Max Marks – 100</b>
		<b>Marks – 75</b>
		<b>Credit-4</b>

**Based on actual field work. Music Topic chosen in consultation with the teachers on the commencement of the semester VI.**

**INTERNAL ASSESSMENT** **Marks: 25**

**CHOICE BASED CREDIT SYSTEM IN B.A. HONOURS PERCUSSION MUSIC  
(TABLA/ PAKHAWAJ)**

SEMESTER	CORE COURSE (14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific DSE (4)	Elective: Generic (GE) (4)
I	C 1 Theory: General Musicology C 2 Practical : Stage Performance & Viva-Voce	(English/MIL Communication)/ Environmental Science			GE-1
II	C 3 Theory: Biographies C 4 Practical : Stage Performance & Viva-Voce	Environmental Science/(English/MIL Communication)			GE-2
III	C 5 Theory: Ancient and Medieval History of Avanaddha Vadya C 6 Practical : Stage Performance C 7 Practical : Viva Voce		SEC-1		GE-3
IV	C 8 Theory : History of Indian Tala System C 9 Practical : Stage Performance C 10 Practical : Viva Voce		SEC-2		GE-4
V	C 11 Theory: Gharana System C 12 Practical : Stage Performance & Viva Voce			*DSE-1 Vocal/Instrumental/Karnatak/Percussion Music: (Tabla/Pakhawaj) *DSE-2 Vocal/Instrumental/Karnatak/Percussion Music: (Tabla/Pakhawaj)	
VI	C 13 Theory :Study of Indian Tala System & Present Musical Forms C 14 Practical : Stage Performance & Viva Voce			*DSE-3 Vocal/Instrumental/Karnatak/Percussion Music: (Tabla/Pakhawaj) *DSE-4 Vocal/Instrumental/Karnatak/Percussion Music: (Tabla/Pakhawaj)	

\*These courses shall be offered to the students of B.A. Honours, other than their own discipline.

**Syllabus of Elective Course for B.A. Honours Percussion Music (Tabla/ Pakhawaj)**  
**Choice Based Credit System**

Elective – I	75+25 =100	6
Elective – II	75+25 =100	6
Elective – III	75+25 =100	6
Project Work	75+25 =100	4
	400	22

**Max Marks :100**

**Elective-I Percussion Music ( Tabla/Pakhawaj)**

**Marks :75**

**Credit :6**

1. Varna Nikas Vidhi of Tabla/Pakhawaj.
2. Basic playing techniques of Teentala/Chartala of Tabla/Pakhawaj.
3. One Tete and One Tirakit/Dhumkit composition of Tabla/Pakhawaj with four variations and Tihai.
4. Knowledge of Two Sadharan Tukra and Two Sadharan Paran of (Tabla/Pakhawaj).
5. Five Variations with Tihai of Theka in Teentala/Chartala.
6. Ability to play Keharwa and Dadra Tala.

**Internal Assessment**

**Marks : 25**

Notation Book to be Submitted for Internal Assessment

**Recommended books: Elective –I**

Tala Prashun : Pandit Chhote Lal Mishra

Mridanga Vadan : Guru Purushottam Das

**Max Marks:100**

**Elective – II Percussion Music (Tabla/Pakhawaj)**

**Marks: 75**

**Credits: 6**

1. Advance Verna Nikas Vidhi of Tabla/Pakhawaj
2. One Tirakita and Dhere Dhere Composition (Kayada/Padal or Rela) with four Variations and Tihai in Teentala/Chartala.
3. Knowledge of Two Chakradar Tukra and One Chakradar Paran in Teentala/Chartala
4. Ability to play Theka with Thah, Dugun, Tigun and Chougun in Teentala/Chartala
5. Ability to play Theka with Thah and Dugun in Jhaptala/Sultala

**Internal Assessment**

**Marks : 25**

Notation Book to be submitted for Internal Assessment

**Recommended Books: Elective –II**

Tala Parichaya, Bhag I, II : Prof. Girish Chandra Shrivastava

Mridanga Vadan : Guru Purushottam Das

**Elective – III**

**Percussion Music (Tabla/Pakhawaj)**

**Max Marks:100**

**Marks: 75**

**Credits: 6**

1. Knowledge of playing the Theka of Jhaptala/Sultala on Tabla/Pakhawaj.
2. One Tete and One Tirakit/Dhumkit composition (Kayad/Padal) of Tabla/Pakhawaj with four variations and Tihai in Jhaptala/Sultala
3. Knowledge of Two Sadharan Tukra and Two Sadharan Paran in Jhaptala/Sultala
4. One Tirakit Composition (Kayada/Padal or Rela) with four Variations and Tihai in Jhaptala/Sultala
5. Ability to play Theka with Thah, Dugun, Tigun and Chougun in Jhaptala/Sultala
6. Ability to Accompaniment with Chhota Khayal/Dhrupad and Bhajan.

**Internal Assessment**

**Marks : 25**

Notation Book to be submitted for Internal Assessment.

**Recommended Books:**

1. Tabla Granth: Pt. Chhote Lal Mishra
2. Mridang Vadan: Guru Puroshattam Das

**Elective – IV**

**Project Work**

**Max Marks:100**

**Marks:75**

**Credits:4**

Actual field work related to music topic chosen in consultation with the teacher at the commencement of the Semester-VI

**CHOICE BASED CREDIT SYSTEM IN B.A. PROGRAMME  
HINDUSTANI MUSIC (VOCAL/INSTRUMENTAL)**

Semester	CORE COURSE (12)	Ability Enhancement Compulsory Course(AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific DSE (4)	Elective: Generic (GE) (2)
I	English/MIL-1	(English/MIL Communication)/ Environmental Science			
	DSC-1A Theory of Indian Music: Unit-1  Practical: Unit-2				
II	Theory of Indian Music General & Biographies Unit-1  Practical : Unit-II	Environmental Science/(English/MIL Communication)			
III	Theory: Unit-1 Ancient Granthas & Contribution of musicologists  Practical : Unit-2		SEC-1  Value based & Practical Oriented course for Hindustani Music (Vocal/Instrumental) Credits-2		
IV	Theory : Unit-1 Medieval Granthas & Contribution of Musicians  Practical : Unit-2		SEC-2  Value based & Practical Oriented course for Hindustani Music (Vocal/Instrumental) Credits-2		
V	Theory: Unit-1 Study of Ancient Granthas & Ragas  Practical : Unit-2		SEC-3 Value based & Practical Oriented course for Hindustani Music (Vocal/Instrumental) Credits-2	DSE-1A Theory: Vocal / Instrumental (Hindustani Music)	Generic Elective -1 (Vocal/ Instrumental Music) Theory
				DSE-2A Practical: Vocal / Instrumental (Hindustani Music)	
VI	Theory : Unit-1 Musicology & Study of Ragas & Talas  Practical : Unit-2		SEC-4 Value based & Practical Oriented course for Hindustani Music (Vocal/Instrumental) Credits-2	DSE-1B Theory: Vocal / Instrumental (Hindustani Music)	Generic Elective -2 (Vocal/ Instrumental Music) Practical
				DSE-2B Practical: Vocal / Instrumental (Hindustani Music)	

<b>Supplementary Courses for B.A. (Prog.) Vocational and Applied Courses in Music</b>			
Harmonium Course for Skill Enhancement Course			
Semester	Course		Name of the Paper
III	I		Harmonium Course for Skill Enhancement Course
IV	II		Harmonium Course for Skill Enhancement Course
V	III		Harmonium Course for Skill Enhancement Course
VI	IV		Harmonium Course for Skill Enhancement Course
Tabla Course for Skill Enhancement Course			
III	I		Tabla Course for Skill Enhancement Course
IV	II		Tabla Course for Skill Enhancement Course
V	III		Tabla Course for Skill Enhancement Course
VI	IV		Tabla Course for Skill Enhancement Course
Mridangam Course for Skill Enhancement Course			
III	I		Mridangam Course for Skill Enhancement Course
IV	II		Mridangam Course for Skill Enhancement Course
V	III		Mridangam Course for Skill Enhancement Course
VI	IV		Mridangam Course for Skill Enhancement Course
Violin (Karnatak) Course for Skill Enhancement Course			
III	I		Violin(Karnatak) Course for Skill Enhancement Course
IV	II		Violin(Karnatak) Course for Skill Enhancement Course
V	III		Violin(Karnatak) Course for Skill Enhancement Course
VI	IV		Violin(Karnatak) Course for Skill Enhancement Course
Vocal (Karnatak) Course for Skill Enhancement Course			
III	I		Vocal (Karnatak) Course for Skill Enhancement Course
IV	II		Vocal (Karnatak) Course for Skill Enhancement Course
V	III		Vocal (Karnatak) Course for Skill Enhancement Course
VI	IV		Vocal (Karnatak) Course for Skill Enhancement Course
Skill Enhancement Course in Maintenance and Repairing of Musical Instruments: Hindustani Music			
III	I		SEC in Maintenance and Repairing of Musical Instruments: Hindustani Music
IV	II		SEC in Maintenance and Repairing of Musical Instruments: Hindustani Music
V	III		SEC in Maintenance and Repairing of Musical Instruments: Hindustani Music
VI	IV		SEC in Maintenance and Repairing of Musical Instruments: Hindustani Music



6.4	Generic Elective -II ( Interdisciplinary ) Any One	Human Rights Gender and Environment		GE-II
		From Second Discipline Based		

**Sound/Audio Engineering – Skill Enhancement Course**

**Total Credits : 16**

**Total semesters: 4 ( 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> 6<sup>th</sup>)**

<b>Maximum Credits: 4</b>	<b>Graduation Year: 2<sup>nd</sup> Semester: 3<sup>rd</sup></b>	<b>Weeks: 20 (excluding Holidays) Lectures: 40 Duration of Period: 45-60 minutes</b>
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Sl. No.	TOPIC	CONTENT	Mode of Teaching
1.	<b>Sound</b>	<ul style="list-style-type: none"> <li>• What is Sound?</li> <li>• Important Characteristics of Sound?</li> </ul>	Theory Theory
2.	<b>Music</b>	<ul style="list-style-type: none"> <li>• What is Music?</li> <li>• Different types/genres of Music.</li> <li>• Frequencies of Musical Notes.</li> <li>• Different ways of Listening music.</li> </ul>	Theory & demonstration Theory & demonstration Theory & demonstration Theory & demonstration
3.	<b>Sound Recording</b>	<ul style="list-style-type: none"> <li>• What is recording technology?</li> <li>• Why should we record?</li> </ul>	Theory Theory

<b>Maximum Credits: 4</b>	<b>Graduation Year: 2<sup>nd</sup> Semester: 4<sup>th</sup></b>	<b>Weeks: 20 (excluding Holidays) Lectures: 40 Duration of Period: 45-60 minutes</b>
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Sl. No.	TOPIC	CONTENT	Mode of Teaching
4.	<b>History of Sound Recording Technology</b>	<ul style="list-style-type: none"> <li>• History of Sound Recording technology</li> <li>• Milestones of sound recording technology</li> </ul>	Theory Theory
5.	<b>Modern Sound Recording Technology</b>	<ul style="list-style-type: none"> <li>• Digital recording</li> <li>• Differences between Analog and Digital recording technology.</li> </ul>	Theory Theory & demonstration
6.	<b>Recording studio</b>	<ul style="list-style-type: none"> <li>• What is recording studio?</li> <li>• Architect of recording studio.</li> <li>• Equipment for recording studio.</li> <li>• Cable &amp; connectors</li> <li>• Software</li> </ul>	Theory & Field tour Theory & Field tour Theory & Field tour Theory & Field tour Theory & Demonstration

<b>Maximum Credits: 4</b>	<b>Graduation Year: 3<sup>rd</sup> Semester: 5<sup>th</sup></b>	<b>Weeks: 20 (excluding Holidays) Lectures: 40 Duration of Period: 45- 60 minutes</b>
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Sl. No.	TOPIC	CONTENT	Mode of Teaching
7.	<b>Microphone Types and Placement techniques</b>	<ul style="list-style-type: none"> <li>• Types of Microphones</li> <li>• Placements of Microphones</li> </ul>	Theory & Field Tour Theory & Demonstration
8.	<b>The Recording Process</b>	<ul style="list-style-type: none"> <li>• create a base track/prerecorded drum loop</li> <li>• Record rhythm sections</li> <li>• Record harmonies, Record melodies</li> </ul>	Theory, Practical & Field Tour

		<ul style="list-style-type: none"> <li>Record other instruments.....ETC</li> </ul>	
9.	<b>The Editing</b>	<ul style="list-style-type: none"> <li>Arrangement, Time Editing</li> <li>Noise Reduction, Pitch Editing.....ETC</li> </ul>	Theory, Practical & Field Tour
<b>Maximum Credits: 4</b>		<b>Graduation Year: 3<sup>rd</sup> Semester: 6<sup>th</sup></b>	<b>Weeks: 20 (excluding Holidays) Lectures: 40 Duration of Period: 45-60 minutes</b>
<b>Sl. No.</b>	<b>TOPIC</b>	<b>CONTENT</b>	<b>Mode of Teaching</b>
10.	<b>The mixing</b>	<ul style="list-style-type: none"> <li>Balancing Faders</li> <li>Panning, Equalization</li> <li>Compression, Reverb</li> <li>Automation.....ETC</li> </ul>	Theory, Practical & Field Tour
11.	<b>The mastering</b>	<ul style="list-style-type: none"> <li>Maximizing loudness</li> <li>Balancing Frequencies</li> <li>Stereo Widening.....ETC</li> </ul>	Theory, Practical & Field Tour
12.	<b>Project Creation</b>	<ul style="list-style-type: none"> <li>Create Project (with instructor)</li> <li>Create Project (in group/team)</li> <li>Create Project (individually)</li> </ul>	Practical Practical Practical
<b>Assessments*</b>		<ul style="list-style-type: none"> <li>Assessment : Based on the syllabus taught during the semester)</li> <li>Assessment: Create one project individually</li> </ul>	Theory Practical

\*Assessments should be designed for each and every semester for theory and practical both based on the syllabus taught.

## B.A. (Hons.) Political Science

SERIAL NO.	SEMESTER -I	PAPER
1.1	Language-MIL/ENGLISH Environmental Science	Ability Enhancement (AE) Compulsory
1.2	Understanding Political Theory	Core Discipline -1
1.3	Constitutional Government and Democracy in India	Core Discipline -2
1.4	Any One of the Following	Generic Elective -I (Interdisciplinary)
A	Nationalism in India	
B	Contemporary Political Economy	
C	Feminism: Theory and Practice (swapped by 'Women, Power and Politics')	
D	Gandhi and the Contemporary World	
E	Understanding Ambedkar	
F	Governance: Issues and Challenges	
G	Politics of Globalization	
H	United Nations and Global Conflicts	
	<b>SEMESTER -II</b>	
2.1	Environmental Science Language-MIL/ENGLISH	Ability Enhancement Compulsory (AE)
2.2	Political Theory-Concepts and Debates	Core Discipline -3
2.3	Political Process in India	Core Discipline -4
2.4	Any One of the Following	Generic Elective -II (Interdisciplinary)
A	Nationalism in India	
B	Contemporary Political Economy	
C	Feminism: Theory and Practice (swapped by 'Women, Power and Politics')	
D	Gandhi and the Contemporary World	
E	Understanding Ambedkar	
F	Governance: Issues and Challenges	
G	Politics of Globalization	
H	United Nations and Global Conflicts	
	<b>SEMESTER -III</b>	
3.1	Introduction to Comparative Government and Politics	Core Discipline -5
3.2	Perspectives on Public Administration	Core Discipline -6
3.3	Perspectives on International Relations and World History	Core Discipline -7
3.4	Any One of the Following	Generic Elective -III (Interdisciplinary)
A	Nationalism in India	
B	Contemporary Political Economy	
C	Feminism: Theory and Practice (swapped by 'Women, Power and Politics')	
D	Gandhi and the Contemporary World	
E	Understanding Ambedkar	
F	Governance: Issues and Challenges	

G	Politics of Globalization	
H	United Nations and Global Conflicts	
3.5	Any one of the following	Ability Enhancement-I (Skill Based)
A	Your Laws, Your Rights	

B	Public Opinion and Survey Research	
C	Legislative Practices and Procedures	
D	Peace and Conflict Resolution	
	<b>SEMESTER -IV</b>	

4.1	Political Processes and Institutions in Comparative Perspective	Core Discipline -8
4.2	Public Policy and Administration in India	Core Discipline -9
4.3	Global Politics	Core Discipline -10
4.4	Any One of the Following	Generic Elective -IV (Interdisciplinary)
A	Nationalism in India	
B	Contemporary Political Economy	
C	Feminism: Theory and Practice (swapped by 'Women, Power and Politics')	
D	Gandhi and the Contemporary World	
E	Understanding Ambedkar	
F	Governance: Issues and Challenges	
G	Politics of Globalization	
H	United Nations and Global Conflicts	
4.5	Any One of the following	Ability Enhancement-II (Skill Based)
A	Your Laws, Your Rights	
B	Public Opinion and Survey Research	
C	Legislative Practices and Procedures	
D	Peace and Conflict Resolution	
	<b>SEMESTER -V</b>	
5.1	Classical Political Philosophy	Core Discipline -11
5.2	Modern Indian Political Thought-I	Core Discipline -12
5.3 & 5.4	Any two of the Following	Discipline Specific Elective (DSE)-1&2
A	Citizenship in a Globalizing World	
B	Human Rights in a Comparative Perspective	
C	Development Process and Social Movements in Contemporary India	
D	Public Policy in India	
E	Colonialism and Nationalism in India	
F	India's Foreign Policy in a globalizing world	
G	Women, Power and Politics (swapped by 'Feminism: Theory and Practice')	
H	Dilemmas in Politics	
	<b>SEMESTER -VI</b>	

<b>6.1</b>	<b>Modern Political Philosophy</b>	<b>Core Discipline -13</b>
<b>6.2</b>	<b>Indian Political Thought-II</b>	<b>Core Discipline -14</b>

<b>6.3 &amp; 6.4</b>	<b>Any two of the Following</b>	<b>Discipline Specific Elective (DSE) 3 &amp;4</b>
<b>A</b>	<b>Citizenship in a Globalizing World</b>	
<b>B</b>	<b>Human Rights In a Comparative Perspective</b>	
<b>C</b>	<b>Development: Process and Social Movements in Contemporary India</b>	
<b>D</b>	<b>Public Policy in India</b>	
<b>E</b>	<b>Understanding Global Politics (Replaced by 'Colonialism and Nationalism in India')</b>	
<b>F</b>	<b>India's Foreign Policy in a globalizing world</b>	
<b>G</b>	<b>Feminism: Theory and Practice</b>	
<b>H</b>	<b>Dilemmas in Politics</b>	

**B.A (Programme) POLITICAL SCIENCE**

**LIST OF PAPERS AND COURSES**

**A) DISCIPLINE SPECIFIC CORE COURSE (4)**

1. Paper I- Introduction to Political Theory
2. Paper-II - Indian Government and Politics
3. Paper-III- Comparative Government and Politics
4. Paper-IV- Introduction to International Relations

**B) CORE/ FOUNDATION (Compulsory) (4)**

- ENGLISH (2)
- MIL (2)

**c) Ability Enhancement (Compulsory) (2)**

- ENGLISH/MIL (Communication)
- ENVIRONMENTAL SCIENCE

**D) Ability Enhancement (Elective) Skill Based (4)**

- 1) Legislative Support
- 2) Public Opinion and Survey Research
- 3) Democratic Awareness Through Legal Literacy
- 4) Conflict and Peace Building Peace

**E) Discipline Specific Elective Course(2)**

- 1) Themes in Comparative Political Theory
- 2) Administration and Public Policy: Concepts and Theories
- 3) Democracy and Governance
- 4) Understanding Globalization

**F) Generic Elective -2 (Interdisciplinary): (2)**

- 1) Reading Gandhi
- 2) Human Rights Gender and Environment

## B.A. Programme Political Science

S.No	SEMESTER-I	COURSE	PAPER	
1.1	Subject-I Political Science-1	Discipline Specific Core	Introduction to Political Theory	DSC I A
1.2	Subject-II(Any Other)	Discipline Specific Core		DSC II A
1.3	ENGLISH	CORE (COMPULSORY)		CC
1.4	ENGLISH/MIL(Communication) / ENVIRONMENTAL SCIENCE	Ability Enhancement (Compulsory)		AEEC
	SEMESTER-II			
2.1	Subject-I Political Science-2	Discipline Specific Core	Indian Government and Politics	DSC I B
2.2	Subject-II(Any Other)	Discipline Specific Core		DSC II B
2.3	MIL	CORE (COMPULSORY)		CC
2.4	ENGLISH/MIL(Communication) / ENVIRONMENTAL SCIENCE	Ability Enhancement (Compulsory)		AEEC
	SEMESTER-III			
3.1	Subject-I Political Science-3	Discipline Specific Core	Comparative Government and Politics	DSC I C
3.2	Subject-II(Any Other)	Discipline Specific Core		DSC II C
3.3	ENGLISH	CORE(COMPULSORY)		CC
3.4	Skill Based-1	Ability Enhancement (Elective)	Legislative Support	AEEC (1)
	SEMESTER-IV			
4.1	Subject-I	Discipline Specific Core	Introduction to	DSC I D



	<b>Political Science-4</b>		<b>International Relations</b>	
<b>4.2</b>	<b>Subject-II(Any Other)</b>	<b>Discipline Specific Core</b>		<b>DSC II D</b>
<b>4.3</b>	<b>MIL</b>	<b>CORE(COMPULSORY)</b>		<b>CC</b>
<b>4.4</b>	<b>Skill Based-2</b>	<b>Ability Enhancement (Elective)</b>	<b>Public Opinion and Survey Research</b>	<b>AEEC (2)</b>
	<b>SEMESTER-V</b>			
<b>5.1</b>	<b>Skill Based-3</b>	<b>Ability Enhancement (Elective)</b>	<b>Democratic Awareness Through Legal Literacy</b>	<b>AEEC (3)</b>
<b>5.2</b>	<b>Discipline Specific Elective Course-I Political Science</b>	<b>A) Themes in Comparative Political Theory</b>		<b>DSE-1A</b>
		<b>B) Administration and Public Policy: Concepts and Theories</b>		
<b>5.3</b>	<b>Discipline Specific Elective Course-II</b>	<b>From Second Discipline/Subject</b>		<b>DSE-2A</b>
<b>5.4</b>	<b>Generic Elective-I ( Interdisciplinary ) Any One</b>	<b>Reading Gandhi</b>		<b>GE-I</b>
		<b>From Second Discipline/Subject Based</b>		
	<b>SEMESTER-VI</b>			
<b>6.1</b>	<b>Skill Based-4</b>	<b>Ability Enhancement (Elective)</b>	<b>Peace and Conflict Resolution</b>	<b>AEEC (4)</b>
<b>6.2</b>	<b>Discipline Specific Elective Course-I Political Science</b>	<b>A) Democracy and Governance</b>		<b>DSE-1B</b>
		<b>B) Understanding Globalization</b>		
<b>6.3</b>	<b>Discipline Specific Elective Course-II</b>	<b>From Second Discipline/Subject</b>		<b>DSE-2B</b>

## **B.A. (Honours) Geography**

### **Note:**

1. Theory paper should have 5 periods per week.
2. Tutorial group of each theory paper should have a group size of 8 students.
3. Practical papers should have 6 periods per week per group of 15 students.
4. Practical paper will not have tutorials.

### **Core Courses**

#### **Semester I**

1. Geomorphology
2. Cartographic Techniques (Practical)

#### **Semester II**

3. Human Geography
4. Thematic Cartography (Practical)

#### **Semester III**

5. Climatology
6. Statistical Methods in Geography (Practical)
7. Geography of India

#### **Semester IV**

8. Economic Geography
9. Environmental Geography
10. Field Work and Research Methodology (Practical)

#### **Semester V**

11. Regional Planning and Development
12. Remote Sensing and GIS (Practical)

#### **Semester VI**

13. Evolution of Geographical Thought
14. Disaster Management based Project Work (Practical)

### **Skill Enhancement Course (any 2)**

#### **Semester III**

1. Remote Sensing (Practical)
2. Advanced Spatial Statistical Techniques

#### **Semester IV**

3. Geographical Information System (Practical)
4. Research Methods (Practical)

### **Elective Discipline Specific (any four)**

#### **Semester V**

##### **DSE-1**

1. Population Geography
2. Resource Geography

**DSE-2**

3. Urban Geography
4. Agricultural Geography

**Semester VI**

**DSE-3**

5. Geography of Health and Wellbeing
6. Political Geography

**DSE-4**

7. Hydrology and Oceanography
8. Social Geography

**Elective Generic Papers (any four)**

**Semester I**

1. Disaster Management
2. Geography of Tourism

**Semester II**

3. Spatial Information Technology
4. Regional Development

**Semester III**

5. Climate Change: Vulnerability and Adaptation
6. Rural Development

**Semester IV**

7. Industrial Geography
8. Sustainable Development

## B.A. (Programme) Geography

	<b>CORE COURSE (12)</b>	<b>Ability Enhancement Compulsory Course (AECC) (2)</b>	<b>Skill Enhancement Course (SEC) (2)</b>	<b>Discipline Specific Elective DSE (4)</b>	<b>Generic Elective GE (2)</b>
<b>I</b>	English/MIL-1	(English/MIL Communication) / Environmental Science			
	Physical Geography				
	DSC- 2 A				
<b>II</b>	English/MIL-1	Environmental Science/ (English/MIL Communication)			
	Human Geography				
	DSC- 2 B				
<b>III</b>	English/MIL-2		Regional Planning and Development		
	General Cartography (Practical)				
	DSC- 2 C				
<b>IV</b>	English/MIL-2		Remote Sensing and GPS based Project Report		
	Environmental Geography				
	DSC- 2 D				
<b>V</b>			GIS based Project Report (Practical)	Geography of India or Economic Geography	Disaster Risk Reduction
				DSE-2 A	
<b>VI</b>			Field Techniques and Survey based Project Report (Practical)	Disaster Management or Geography of Tourism	Sustainability and Development
				DSE-2 B	

**Note:**

1. Theory paper should have 5 periods per week.
2. Tutorial group of each theory paper should have a group size of 15 students.
3. Practical papers should have 6 periods per week per group of 18 students.
4. Practical paper will not have tutorials.

## Course Structure for B.A. (Hons.) Economics

Semester-I	Semester-II
Economics Core Course 1 : Introductory Microeconomics	Economics Core Course 3 : Introductory Macroeconomics
Economics Core Course 2 : Mathematical Methods for Economics-I	Economics Core Course 4 : Mathematical Methods for Economics-II
Ability Enhancement Compulsory Course (AECC)-I	Ability Enhancement Compulsory Course (AECC)-II
Generic Elective (GE) Course-I	Generic Elective (GE) Course-II

Semester-III	Semester-IV
Economics Core Course 5 : Intermediate Microeconomics-I	Economics Core Course 8 : Intermediate Microeconomics-II
Economics Core Course 6 : Intermediate Macroeconomics-I	Economics Core Course 9 : Intermediate Macroeconomics-II
Economics Core Course 7 : Statistical Methods for Economics	Economics Core Course 10 : Introductory Econometrics
Skill Enhancement Course (SEC)-I	Skill Enhancement Course (SEC)-II
Generic Elective (GE) Course-III	Generic Elective (GE) Course-IV

Semester-V	Semester-VI
Economics Core Course 11 : Indian Economy-I	Economics Core Course 13 : Indian Economy-II
Economics Core Course 12 : Development Economics-I	Economics Core Course 14 : Development Economics-II
Discipline Specific Elective (DSE) Course-I (From List of Group-I)	Discipline Specific Elective (DSE) Course-III (From List of Group-II)
Discipline Specific Elective (DSE) Course-II (From List of Group-I)	Discipline Specific Elective (DSE) Course-IV (From List of Group-II)
<b>Group-I (Discipline Specific Elective (DSE) Courses)</b>	<b>Group-II (Discipline Specific Elective (DSE) Courses)</b>
(i) Economics of Health and Education	(viii) Political Economy-II
(ii) Applied Econometrics	(ix) Comparative Economic Development (1850-1950)
(iii) Economic History of India (1857-1947)	(x) Financial Economics
(iv) Topics in Microeconomics-I	(xi) Topics in Microeconomics-II
(v) Political Economy-I	(xii) Environmental Economics
(vi) Money and Financial Markets	(xiii) International Economics
(vii) Public Economics	(xiv) Dissertation/Project

**Syllabus for B.A. (Hons.)**

**Generic Elective Courses in Economics**

<b>Semester I</b>	<b>Semester II</b>
<b>Generic Elective in Economics I: Introductory Microeconomics</b>	<b>Generic Elective in Economics II: Introductory Macroeconomics</b>
<b>Semester III</b>	<b>Semester IV</b>
<b>Generic Elective in Economics III:</b> <b>(a) Indian Economy-I OR</b> <b>(b) Money and Banking OR</b> <b>(c) Environmental Economics</b>	<b>Generic Elective in Economics IV:</b> <b>(a) Indian Economy-II OR</b> <b>(b) Economic History of India 1857-1947 OR</b> <b>(c) Public Finance</b>
<b>Semester V</b>	<b>Semester VI</b>

## Economics paper in B.A. (Prog.)

<b>Semester I</b>	<b>Semester II</b>
<b>Core Economics I: Principles of Microeconomics-I</b>	<b>Core Economics II: Principles of Microeconomics-II</b>
<b>Semester III</b>	<b>Semester IV</b>
<b>Core Economics III: Principles of Macroeconomics-I</b>	<b>Core Economics IV: Principles of Macroeconomics-II</b>
<b>Semester V</b>	<b>Semester VI</b>
<b>Discipline Specific Elective I</b> One of the following:	<b>Discipline Specific Elective II</b> One of the following:
<ul style="list-style-type: none"> <li>i. <b>DSE 1: Economic Development and Policy in India-I</b></li> <li>ii. <b>DSE 2: Money and Banking</b></li> <li>iii. <b>DSE 3: Environmental Economics</b></li> </ul>	<ul style="list-style-type: none"> <li>iv. <b>DSE 3: Economic Development and Policy in India-II</b></li> <li>v. <b>DSE 4: Economic History of India 1857-1947</b></li> <li>vi. <b>Public Finance</b></li> </ul>

## **Structure of B.A (Hons) History Course under CBCS**

### **CORE COURSE (14)**

- Paper I: History of India-I
- Paper-II: Social Formations and Cultural Patterns of the Ancient World
- Paper III: History of India-II
- Paper IV: Social Formations and Cultural Patterns of the Medieval World
- Paper V: History of India-III (c. 750-1206)
- Paper VI: Rise of Modern West-I
- Paper VII: History of India IV (c.1206-1550)
- Paper VIII: Rise of Modern West -II
- Paper IX: History of India-V (c. 1550-1605)
- Paper X: History of India-VI (c. 1750-1857)
- Paper XI: History of Modern Europe- I (c. 1780-1939)
- Paper XII: History of India-VII (c. 1605-1750)
- Paper XIII: History of India-VIII (c. 1857-1950)
- Paper XIV: History of Modern Europe- II (1780-1939)

#### **Discipline Specific Elective (Any Four)**

- Paper I: History Of United States Of America -I(C. 1776 -1945)
- Paper II: History Of United States Of America -II(C. 1776 - 1945)
- Paper III: History Of The USSR-I (c. 1917- 1964)
- Paper IV: History Of The USSR-II (c. 1917- 1964)
- Paper V: History Of Africa (c. 1500 - 1960s)

Paper VI: History Of Latin America (c. 1500 - 1960s)

- Paper VII: History Of Southeast Asia-The 19TH Century
- Paper VIII: History Of Southeast Asia-The 20TH Century
- Paper IX-History of Modern East Asia-I(c.1840-1919)
- Paper X-History of Modern East Asia-II (c. 1868-1945)

#### **Generic Elective (Interdisciplinary Any Four)**

- Paper-1: Environmental Issues In India
  - Paper-II: Research Methodology in History
  - Paper-III: Making of Contemporary India
  - Paper-IV: Delhi: Ancient
  - Paper-V: Delhi: Medieval
  - Paper-VI: Delhi: Modern
  - Paper-VII: Issues in Contemporary World
- Ability Enhancement Course (AEC)  
Compulsory-II Papers  
Environmental Science  
English/ MIL  
Skill Enhancement Courses (SEC)



**Any Two**

Paper-I Understanding Heritage

Paper-II: Art Appreciation: An Introduction to Indian Art

Paper-III: Archives and museums

Paper-IV: Understanding Popular Culture

**B.A (Hons) History**

Core Papers(C): 14;Credits: 6 each, 5classes,1 tutorial

Paper I: History of India-I

Paper-II: Social Formations and Cultural Patterns of the Ancient World

Paper III: History of India-II

Paper IV: Social Formations and Cultural Patterns of the Medieval World

Paper V: History of India-III (c. 750-1206)

Paper VI: Rise of Modern West-I

Paper VII: History of India IV (c.1206-1550)

Paper VIII: Rise of Modern West -II

Paper IX: History of India-V (c. 1550-1605)

Paper X: History of India-VI (c: 1750-1857)

Paper XI: History of Modern Europe I (c. 1780-1939)

Paper X: History of India-VI (c. 1750-1857)

Paper XI: History of Modern Europe I (c. 1780-1939)

Paper XII: History of India-VII (c. 1605-1750)

Paper XIII: History of India-VIII (c. 1857-1950)

Paper XIV: History of Modern Europe II (1780-1939)

**Discipline Specific Elective (Any Four) Credits- 6 Each, 5 classes, 1 Tutorial**

Paper I-I: History Of United States Of America -I(C. 1776 ñ 1945)

Paper2- II: History Of United States Of America -II(C. 1776 ñ 1945)

Paper3- I: History Of The USSR-I (c. 1917- 1964)

Paper4-II: History Of The USSR-II (c. 1917- 1964)

Paper5-I: History Of Africa (c. 1500 - 1960s)

Paper 6: History Of Latin America (c. 1500 - 1960s)

Paper 7: History Of Southeast Asia - The 19TH Century

Paper 8: History Of Southeast Asia - The 20TH Century

Paper 9-History of Modern East Asia-1 (c. 1840-1919)

Paper 10-History of China & Japan-II (c. 1868-1939)

**Generic Elective (Interdisciplinary Any Four) CREDITS-6 Each, 5 Classes, 1 Tutorial**

Paper-1: Environmental Issues In India

Paper-II: Research Methodology in History

Paper-III: Making of Contemporary India

Paper-IV: Delhi: Ancient  
Paper-V: Delhi: Medieval  
Paper-VI: Delhi: Modern  
Paper-VII: Issues in Contemporary World

**Ability Enhancement Course (AEC)**  
**Compulsary-2 Papers, Credits-2 Each, 2 Classes**

Environmental Science  
English/ MIL

**Skill Enhancement Courses (SEC)**  
**Any Two Papers, Credits-2 Each, 2 Classes**

Paper-I Understanding Heritage  
Paper-II: Art Appreciation: An Introduction to Indian Art  
Paper-III: Archives and museums  
Paper-IV: Understanding Popular Culture

## **Structure of B.A (Programme) History**

### **Core Courses-4**

1. History of India from the Earliest Times upto 300 CE
2. History of India from C.300 to 1206.
3. History of India from C. 1206 to 1707
4. History of India from 1707 to 1950

### **Discipline Specific Elective (DSE) Any Two**

1. Patterns of Colonialism in the World: 15<sup>TH</sup> TO 19 Centuries.
2. National liberation Movements in 20<sup>th</sup> Century World.
3. Some Aspects of European History: C.1780-1945.
4. Patterns of Capitalism in Europe: C.16<sup>TH</sup> Century to early 20<sup>th</sup> Century
5. Paper-5: Some Aspects of Society &Economy of Modern Europe: 15 – 18 Century
6. Political History of Modern Europe: 15 th-18<sup>th</sup> Century

### **Generic Elective (Inter-Disciplinary) Any Two**

1. Women Studies in India.
2. Women in Politics &Governance.
3. Some Perspectives on Women's Rights in India.
4. Gender and Education in India.
5. History of Indian Journalism: Colonial &Post Colonial Period.

### **Paper 6.CULTURES IN THE INDIAN SUBCONTINENT**

1. Ability Enhancement Elective Course (AEEC) Any Four
2. Historical Tourism: Theory &Practice
3. Museums &Archives in India
4. Indian History &Culture
5. Ethnographic Practices in India: Tradition of Embroidery;TextileMaking, Knitting, Handicrafts
6. An Introduction to Archaeology
7. Documentation &Visual Culture
8. Orality and Oral Culture in India

## **B.A. (Hons.) Social Work**

### **7. Schedule of Papers for Various Semesters**

The schedule of papers prescribed for various semesters shall be as follows:

<b>Semester -1</b>	<b>Semester -2</b>
C-1: SW 101 Fundamentals of Social Work	C-3: SW 201 Contemporary Social Concerns
C-2: SW 102 Introduction to Society for Social Work	C-4: SW 202 Understanding Psychology for Social Work
<b>AECC 1*: As per College/University</b>	<b>AECC 2*: As per College/University</b>

<b>decision</b>	<b>decision</b>
<b>GE1 : Any one of the followings:</b> SW 111: Social Work with Youth SW 112: Disability and Social Work	<b>GE2 : Any one of the followings:</b> SW 211: Social Work Response to Health Care SW 213: Criminal Justice Social Work
FW 1: SW 106 (6 credits)	FW 2: SW 206 (6 credits)

Semester -3	Semester -4
C-5: SW 301 Working With Individuals	C-8: SW 401 Working With Communities
C-6 : SW 302 Working With Groups	C-9: SW 402 Social Psychology For Social Work
C-7: SW303 Social deviance and Social problems	C-10: SW 403 Areas of SW Practice
<b>SEC 1: Any one of the followings</b> SW 311: Communication for Development SW 312: Programme Media in Social Work	<b>SEC 2: Any one of the followings</b> SW 411: Application of Programme Media SW 412: Skill and Technique of Field Work Practice.
<b>GE3 : Any one of the followings</b> SW 321: Integrated Methods In Social Work Practice-I SW 322 : Palliative Care in Social Work	<b>GE4 : Any one of the followings</b> Any One of the two SW 421: Social Work with Older Persons SW 422: International Social work
FW3: SW306 ( 8 credit)	FW 4: SW406 ( 8 credit)

Semester -5	Semester -6
C-11: SW 501 Social Policy and Development	C-3: SW 601 Social Welfare Administration
C-12 : SW 502 Social Action and Movements	C-4: SW 602 Research in Social Work
<b>DSE 1: Social Legislation and Human Rights</b>	<b>DSE 3: Social Work Practice in Different Settings</b>
<b>DSE 2: Health and Social Work</b>	<b>DSE 4: NGO Management</b>
<b>DSE 3: Social Work Intervention in Disaster</b>	<b>DSE 3: Counselling Skills in Social Work Practice</b>
<b>DSE 4: Social Work Response to Social Concerns</b>	<b>DSE 4: Project Work/Dissertation</b>
FW5: SW 506 (8 credits)	FW6: SW 606 (8 credits)

**Note:** \*The details of AEC courses to be added as decided by University;

\*\*For theory papers: 75 marks for External evaluation and 25 marks for internal assessment;

**BA (Honors) Sociology under CBCS**

**Contents**

<b>S. No</b>	<b>Name of the Course</b>	<b>Page Numbers</b>
	<b>Core Courses</b>	
C 01	Introduction to Sociology I	01-04
C 02	Sociology of India I	05-07
C 03	Introduction to Sociology II	08-09
C 04	Sociology of India II	10-12
C 05	Political Sociology	13-15
C 06	Sociology of Religion	16-18
C 07	Sociology of Gender	19-22
C 08	Economic Sociology	23-27
C 09	Sociology of Kinship	28-30
C 10	Social Stratification	31-33
C 11	Sociological Thinkers I	34-35
C 12	Sociological Research Methods I	36-37
C 13	Sociological Thinkers II	38-40
C 14	Sociological Research Methods II	41-43
	<b>Discipline Specific Electives(DSE)</b>	
DSE 01	Urban Sociology	44-46
DSE 02	Agrarian Sociology	47-51
DSE 03	Environmental Sociology	52-55
DSE 04	Sociology of Work	56-58
DSE 05	Sociology of Health and Medicine	59-62
DSE 06	Indian Sociological Traditions	63-66
DSE 07	Visual Culture	67-70
DSE 08	Reading Ethnographies	71-73
	<b>Generic Electives (GE)</b>	
GE 01	Indian Society: Images and Realities	74-76
GE 02	Family and Intimacy	77-78
GE 03	Rethinking Development	79-80
GE 04	Gender and Violence	81-83
GE 05	Sociology of Social Movements	84-86
GE 06	Sociology of Education	87-90
GE 07	Sociology of Media	91-94
GE 08	Population and Society	95-98
	<b>Skill Enhancement courses</b>	
SEC 01	Reading, Writing and Reasoning for Sociology	99-102
SEC 02	Techniques of Ethnographic Film Making	103-106

Scheme For Courses For BA (Program) Sociology

Semester	(A) CORE COURSES (4 Courses) (5 Lectures+1 Tutorial per Course) 6 Credits per Course 4x6=24 Credits	(B) Ability Enhancement Courses (AECC) (2 Courses) 2 Credits per Course 2x2=4 Credits	(C) Skill Enhancement Course (SEC) (4 Courses) (2 Lectures) (2 Credits per Course) 2x4=8 Credits	(D) Elective: Discipline Specific (DSE) (2 Courses) (5 Lectures+1 Tutorial Per Course) 4x6=24 Credits (One course to be Chosen from two on offer each semester)	(E) Elective: Generic Elective (GE) (2 Courses) (5 Lectures+1 Tutorial Per Course) 2x6=12 Credits
I	<u>Sociology Core 01</u> Introduction to Sociology	(English/ MIL Communication)/ Environmental Science			
II	<u>Sociology Core 02</u> Sociology of India	(English/ MIL Communication)/ Environmental Science			
III	<u>Sociology Core 03</u> Sociological Theories		<u>Sociology SEC.01</u> Techniques of Social Research		
IV	<u>Sociology Core 04</u> Methods of Sociological Enquiry		<u>Sociology SEC.02</u> Gender Sensitization		
V			<u>Sociology SEC.03</u> Society through the Visual	<u>Sociology DSE 01</u> Religion and Society <u>Sociology DSE 02</u> Marriage, Family and Kinship	<u>Sociology GE.01</u> Polity and Society in India
VI			<u>Sociology SEC.04</u> Theory and Practice of Development	<u>Sociology DSE 03</u> Social Stratification <u>Sociology DSE 04</u> Gender and Sexuality	<u>Sociology GE.02</u> Economy and Society

**Elective Papers on East Asia under Choice based Credit system for Undergraduate students**

<b>Code No. of Paper</b>	<b>Title of Paper</b>	<b>Theory</b>	<b>Internal Assessment</b>	<b>Credit</b>
EA-CBCS-501	The Historical Development of Chinese Civilisation	75	25	6 (5+1)
EA-CBCS-502	Pre-Modern Japan (1603-1868)	75	25	6 (5+1)
EA-CBCS-503	Colonialism and Modernity in Korea	75	25	6 (5+1)
EA-CBCS-504	China's Rise and East Asia	75	25	6 (5+1)
EA-CBCS-505	Modern Japan (1868-1973)	75	25	6 (5+1)
EA-CBCS-506	Korean Peninsula after the World War II	75	25	6 (5+1)



**Elective Papers on Adult Education under Choice based Credit system for Undergraduate students**

**Elective papers**

<b>Code No. of Paper</b>	<b>Title of Paper</b>	<b>Theory</b>	<b>Internal Assessment</b>	<b>Credit</b>
AE-CBCS-601	Adult & Lifelong Learning	75	25	6 (5+1)
AE-CBCS-602	Extension and Community Development	75	25	6 (5+1)
AE-CBCS-603	Guidance and Counseling	75	25	6 (5+1)
AE-CBCS-604	Productive Aging and Care	75	25	6 (5+1)
AE-CBCS-605	Women Empowerment	75	25	6 (5+1)
AE-CBCS-606	Entrepreneurial and Leadership Development	75	25	6 (5+1)

**Elective Papers on African Studies under Choice based Credit system  
for Undergraduate students**

<b>Code No. of Paper</b>	<b>Title of Paper</b>	<b>Theory</b>	<b>Internal Assessment</b>	<b>Credit</b>
AS-CBCS-701	Discovery of Africa: Contested Terrains	75	25	6 (5+1)
AS-CBCS-702	Understanding Africa	75	25	6 (5+1)
AS-CBCS-703	Introducing African Civilization And Culture	75	25	6 (5+1)

<b>B. Com. (Hons.): Three-Year (6-Semester) CBCS Programme</b>		
<b>Paper No.</b>	<b>Course Structure</b>	
<b>Semester I</b>		
BCH-1.1	Environmental Studies	Ability Enhancement Compulsory Course (AECC-1)
BCH-1.2	Financial Accounting	Core Course (C-1)
BCH-1.3	Business Laws	Core Course(C-2)
BCH-1.4	Generic Elective (GE-1) (Any one of the following)	Generic Elective(GE-1)
	a. Micro Economics	
	b. Insurance and Risk Management	
<b>Semester II</b>		
BCH-2.1	Business Communication (Language-English/Hindi/MIL)	Ability Enhancement Compulsory Course (AECC-2)
BCH-2.2	Corporate Accounting	Core Course (C-3)
BCH-2.3	Corporate Laws	Core Course (C-4)
BCH-2.4	Generic Elective (GE-2) (Any one of the following)	Generic Elective(GE-2)
	a. Macro Economics	
	b. Investing in Stock Markets	
<b>Semester III</b>		
BCH-3.1	Human Resource Management	Core Course (C-5)
BCH-3.2	Income-tax Law and Practice	Core Course (C-6)
BCH-3.3	Management Principles and Applications	Core Course (C-7)
BCH-3.4	Generic Elective (GE-3) (Any one of the following)	Generic Elective(GE-3)
	a. Business Statistics	
	b. Project Management	
BCH-3.5	Skill-Enhancement Course (SEC-1) (Any one of the following)	Skill-Enhancement Course (SEC-1)
	a. E-Commerce	
	b. Training and Development	
	c. E-Marketing	
	d. Personal Tax Planning	

<b>Semester IV</b>		
BCH-4.1	Cost Accounting	Core Course (C-8)
BCH-4.2	Business Mathematics	Core Course (C-9)
BCH-4.3	Computer Applications in Business	Core Course (C-10)
BCH-4.4	Generic Elective (GE-4) (Any one of the following)	Generic Elective (GE-4)
	a. Indian Economy	
	b. Economics of Regulation of Domestic and Foreign Exchange Markets	
BCH-4.5	Skill-Enhancement Course (SEC-2) (Any one of the following)	Skill-Enhancement Course (SEC-2)
	a. Entrepreneurship	
	b. Collective Bargaining and Negotiation Skills	
	c. E-Filing of Returns	
	d. Cyber Crimes and Laws	
<b>Semester V</b>		
BCH-5.1	Principles of Marketing	Core Course (C-11)
BCH-5.2	Fundamentals of Financial Management	Core Course (C-12)
BCH-5.3	Discipline Specific Elective (DSE-1) (Any one of group A)	Discipline Specific Elective (DSE-1)
BCH-5.4	Discipline Specific Elective (DSE-2) (Any one of group A)	Discipline Specific Elective (DSE-2)
	a. Management Accounting	
	b. Corporate Tax Planning	
	c. Advertising	
	d. Banking and Insurance	
	e. Computerised Accounting System	
	f. Financial Markets, Institutions and Financial Services	
	g. Industrial Laws	
	h. Organisational Behaviour	
<b>Semester VI</b>		
BCH-6.1	Auditing and Corporate Governance	Core Course (C-13)

BCH-6.2	Indirect Tax Laws	Core Course (C-14)
BCH-6.3	Discipline Specific Elective (DSE-3) (Any one of group B)	Discipline Specific Elective(DSE-3)
BCH-6.4	Discipline Specific Elective (DSE-4) (Any one of group B)	Discipline Specific Elective (DSE-4)
	a. Fundamentals of Investment	
	b. Consumer Affairs and Customer Care	
	c. Business Tax Procedures and Management	
	d. International Business	
	e. Industrial Relations and Labour Laws	
	f. Business Research Methods and Project Work	
	g. New Venture Planning	
	h. Financial Reporting & Analysis	
	i. Compensation Management	

**Notes:**

1. For Practical Lab based
  - a. Core Courses BCH 1.2 (Financial Accounting), BCH 3.2 (Income-tax Law and Practice), BCH 3.4 (Business Statistics), BCH 4.2 (Business Mathematics), and BCH 5.2 (Fundamentals of Financial Management) there shall be 4 Credit Hrs. for Lectures + one Credit hr. (Two Practical Periods per week per batch) for Practical Lab + one credit Hr for Tutorials (per group)
  - b. Core Courses BCH 4.3 (Computer Applications in Business) and Discipline Specific Elective BCH Group A (e) (Computerised Accounting System), there shall be 4 Credit Hrs. for Lectures + Two Credit hrs. (4 Practical Periods per week per batch) for Practical Lab
  - c. Skill Enhancement Elective Course BCH 3.5(E-Commerce), there shall be 3 Credit Hrs. for Lectures + One Credit hrs. (2 Practical Periods per week per batch) for Practical Lab
2. For other core and elective papers, there shall be 5 lectures and one Tutorial (per batch)

<b>B. Com: Three-Year (6-Semester) CBCS Programme</b>		
<b>Programme Structure</b>		
<b>Course No.</b>	<b>Course Title</b>	<b>Course Type</b>
<b>Semester I</b>		
BC 1.1	Environmental Studies	Ability Enhancement Compulsory Course (AECC-1)
BC 1.2	Financial Accounting	Core Course (DSC-1)
BC 1.3	Business Organisation and Management	Core Course (DSC-2)
BC 1.4	English Language	Language-1
<b>Semester II</b>		
BC 2.1	Language: English/Hindi/Modern Indian Language	Ability Enhancement Compulsory Course (AECC-2)
BC 2.2	Business Laws	Core Course (DSC-3)
BC 2.3	Business Mathematics and Statistics	Core Course (DSC-4)
BC 2.4	Hindi/Modern Indian Language	Language-2
<b>Semester III</b>		
BC 3.1	Company Law	Core Course (DSC-5)
BC 3.2	Income Tax Law and Practice	Core Course (DSC-6)
BC 3.3	Hindi/Modern Indian Language	Language-3
BC 3.4	Skill Based (Any one of the following)	Ability Enhancement Elective Course (Skill Based-AEEC-1)
	(a) Computer Applications in Business	
	(b) Cyber Crimes and Laws	
<b>Semester IV</b>		
BC 4.1	Business Communication (English/Hindi)	Language-4
BC 4.2	Corporate Accounting	Core Course (DSC-7)
BC 4.3	Cost Accounting	Core Course (DSC-8)
BC 4.4	Skill Based (Any one of the following)	Ability Enhancement Elective Course (Skill Based-AEEC-2)
	(a) E-Commerce	
	(b) Investing in Stock Markets	

<b>Semester V</b>		
BC 5.1	Discipline Specific Elective (Any one of the Following)	Discipline Specific Elective (DSE-1)
	(a) Human Resource Management	
	(b) Principles of Marketing	
	(c) Auditing and Corporate Governance	
	(d) Financial Reporting and Analysis	
BC 5.2	Discipline Specific Elective (Any one of the following)	Discipline Specific Elective (DSE-2)
	(a) Fundamentals of Financial Management	
	(b) Indirect Tax Laws	
	(c) Training and Development	
	(d) Industrial Laws	
BC 5.3	Skill Based (Any one of the following)	Ability Enhancement Elective Course (Skill Based-AEEC-3)
	(a) Entrepreneurship	
	(b) Advertising	
BC 5.4	Generic Elective (Any one of the following)	Generic Elective (GE-1)
	(a) Principles of Micro Economics	
	(b) Economics of Regulation of Domestic and Foreign Exchange Markets	
<b>Semester VI</b>		
BC 6.1	Discipline Specific Elective (Any one of the following)	Discipline Specific Elective (DSE-3)
	(a) Corporate Tax Planning	
	(b) Banking and Insurance	
	(c) Management Accounting	
	(d) Computerised Accounting System	
	(e) Financial Markets and Institutions	
BC 6.2	Discipline Specific Elective (Any one of the following)	Discipline Specific Elective (DSE-4)
	(a) International Business	
	(b) Office Management and Secretarial Practice	
	(c) Fundamentals of Investment	
	(d) Consumer Protection	
	(e) Organisational Behaviour	
BC 6.3	Skill Based (Any one of the following)	Ability Enhancement Elective Course (Skill Based-AEEC-4)
	(a) Personal Selling and Salesmanship	
	(b) Collective Bargaining and Negotiation Skills	

BC 6.4	Generic Elective (Any one of the following)	Generic Elective (GE-2)
	(a) Indian Economy	
	(b) Project Management	

## Notes:

1. For Practical Lab based
  - a. Core Course papers BC 1.2 (Financial Accounting) and BC 3.2 (Income-tax Law and Practice), there shall be 4 Credit Hrs. for Lectures + one Credit hr. (Two Practical Periods per week per batch) for Practical Lab + one credit Hr for Tutorials (per group)
  - b. Discipline Specific Elective paper ~~6.4~~(d) (Computerised Accounting System), there shall be 4 Credit Hrs. for Lectures + Two Credit hrs. (4 Practical Periods per week per batch) for Practical Lab
  - c. Ability Enhancement Elective Course (Skill Based) AEEC-2 paper BC 4.4 (E-Commerce), there shall be 3 Credit Hrs. for Lectures + One Credit hrs. (2 Practical Periods per week per batch) for Practical Lab
  - d. Ability Enhancement Elective Course (Skill Based) AEEC-1 paper BC 3.4 (Computer Applications in Business), there shall be 2 Credit Hrs. for Lectures + Two Credit hrs. (4 Practical Periods per week per batch) for Practical Lab
2. For other core and elective papers there shall be 5 lectures and one Tutorial (per batch)



**BA PROGRAMME COURSE STRUCTURE**  
**Commerce Based Courses in BA Programme**

Stream	Title of the Paper	No. of Papers in CBCS Scheme
1	Entrepreneurship and Small Business	6
2	Tax Procedures and Practices	6
3	Insurance	6
4	Human Resource Management	6
5	Business Laws	6
6	Accounting and Finance	6
7	Advertising Sales Promotion and Sales Management	6
8	Office Management & Secretarial Practice	6
		48

## B. A. (HONS) JOURNALISM

### Proposal Semester wise Structure

#### CBCS FINAL SYLLABUS- 2015

		AECC	SEC	DSE	GE
<b>I</b>	<b>C1</b> Introduction to Journalism <b>C2</b> Introduction to media and Communication	English/MIL Communication Environmental Science			<b>GE 1:</b> Basics of Journalism
<b>II</b>	<b>C3</b> Reporting and Editing for Print <b>C4</b> Media and Cultural Studies	English/MIL Communication Environmental Science			<b>GE 2:</b> Photography
<b>III</b>	<b>C5</b> Introduction to Broadcast Media <b>C6</b> History of the Media <b>C7</b> Advertising and Public Relations		<b>SEC-1</b> Radio Production		<b>GE 3:</b> Film Appreciation
<b>IV</b>	<b>C8</b> Introduction to new media <b>C9</b> Development Communication <b>C10</b> Media Ethics and the law		<b>SEC -2</b> Documentary Production		<b>GE 4:</b> Documentary Production
<b>V</b>	<b>C11</b> Global media and Politics  <b>C12</b> Advanced Broadcast Media			<b>DSE1:</b> Media Industry and Management1 <b>AND/OR</b> Media Industry and Management2 <b>DSE 2:</b> Print Journalism and Production <b>DSE 3:</b> Photography  <b>DSE4:</b> Media, Gender and Human Rights	

<b>VI</b>	<b>C13</b> Advanced New Media <b>C14</b> Communication Research and Methods			<b>DSE 5:</b> Multimedia Journalism <b>DSE 6:</b> Introduction to Film Studies <b>DSE 7:</b> Development Journalism <b>DSE 8:</b> Dissertation	
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## B.A. (Hons.) Multi Media and Mass Communication

SEMEST- ER	CORE COURSE (14)	ABILITY ENHANCEMENT COMPULSORY COURSE (AECC) (2)	ABILITY ENHANCEMENT ELECTIVE COURSE (AEEC) (2) (SKILL BASED)	ELECTIVE DISCIPLIN E SPECIFIC DSE (4)	ELECTIVE GENERIC (GE) (4)
<b>I</b>	<b>C MMMC 01</b>  <b>Communication, Media and Society</b>	<b>English Communication</b>			<b>GE 1 Advertisement and Media</b>
	<b>C MMMC 02</b>  <b>Introduction to Journalism</b>				
<b>II</b>	<b>C MMMC 03</b>  <b>Communication Research</b>	<b>Environmental Science</b>			<b>GE 2 Social Media</b>
	<b>C MMMC 04</b>  <b>Print Media Production</b>				

SEMESTER	CORE COURSE (14)	ABILITY ENHANCEMENT COMPULSORY COURSE (AECC) (2)	ABILITY ENHANCEMENT ELECTIVE COURSE (AECC) (2) (SKILL BASED)	ELECTIVE DISCIPLINE SPECIFIC DSE (4)	ELECTIVE GENERIC (GE) (4)
III	C MMMC05  Exploring Hindi Cinema				
	C MMMC 06  Graphic Designing & Visual Images		AEEC-1  Theatre and Communication		GE 3  Public Service Broadcasting
	CMMMCMC 07  Television Journalism				

SEMESTER	CORE COURSE (14)	ABILITY ENHANCEMENT COMPULSORY COURSE (AECC) (2)	ABILITY ENHANCEMENT ELECTIVE COURSE (AECC) (2) (SKILL BASED)	ELECTIVE DISCIPLINE SPECIFIC DSE (4)	ELECTIVE GENERIC (GE) (4)
IV	C MMMC 08  Development Communication				

	<b>C MMMC 09</b>  <b>Camera and Editing for TV</b>		<b>AEEC-2</b>  <b>Communication &amp; Disaster Management</b>		<b>GE 4</b>  <b>Media Moments in History</b>
	<b>C MMMC 10</b>  <b>Reporting and Anchoring</b>				

<b>SEMESTER</b>	<b>CORE COURSE (14)</b>	<b>ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)(2)</b>	<b>ABILITY ENHANCEMENT ELECTIVE COURSE (AEEC) (2) (SKILL BASED)</b>	<b>ELECTIVE DISCIPLINE SPECIFIC DSE (4)</b>	<b>ELECTIVE GENERIC (GE) (4)</b>
<b>V</b>	<b>C MMMC 11</b>  <b>Global Politics and Media</b>			<b>DSE1</b>  <b>Radio Production</b>	
	<b>C MMMC 12</b>  <b>Documentary</b>			<b>DSE 2</b>  <b>Photography</b>	
<b>VI</b>	<b>C MMMC 13</b>  <b>Communication and the Plastic Arts</b>			<b>DSE 3</b>  <b>Communication for Special Needs</b>	

	<b>CMMMC14</b>			<b>DSE 4</b>	
	<b>Integrated Marketing Communicatio n</b>			<b>Fashion Communicatio n</b>	

# B.A. (Hons.) Hindi Journalism & Mass Communication

इस पाठ्यक्रम में प्रश्नपत्रों का क्रम इस प्रकार होगा :

## 1. सेमेस्टर - 1

- 1.1 जनसंचार माध्यम (Core Discipline-1)
- 1.2 हिन्दी पत्रकारिता का इतिहास (Core Discipline-2)
- 1.3 (क) संस्कृति, साहित्य और मीडिया (Generic Elective, Any One)  
अथवा  
(ख) फोटो पत्रकारिता
- 1.4 Language-MIL-Comm./ENGLISH, Environmental Science (AECC)

## 2. सेमेस्टर - 2

- 2.1 जनसंचार माध्यमों की भाषा (Core Discipline-3)
- 2.2 समाचार की अवधारणा और रिपोर्टिंग (Core Discipline-4)
- 2.3 (क) फिल्म अध्ययन (Generic Elective, Any One)  
अथवा  
(ख) सोशल मीडिया
- 2.4 Language-MIL-Comm./ENGLISH, Environmental Science (AECC)

## 3. सेमेस्टर - 3

- 3.1 माध्यम कानून और आचार संहिता (Core Discipline-5)
- 3.2 संपादन (Core Discipline-6)
- 3.3 रेडियो (Core Discipline-7)
- 3.4 (क) राजनीति, विचारधारा और हिन्दी मीडिया (Generic Elective, Any One)  
अथवा  
(ख) मीडिया प्रोडक्शन
- 3.5 (क) मुद्रित माध्यमों की पृष्ठ सज्जा (Skill Enhancement Course, Any One)  
अथवा  
(ख) रेडियो कार्यक्रम और निर्माण



सेमेस्टर - 4

- 4.1 न्यू मीडिया (Core Discipline-8)  
4.2 टेलीविजन (Core Discipline-9)  
4.3 विकास पत्रकारिता (Core Discipline-10)  
4.4 (क) पटकथा लेखन (Generic Elective, Any One)  
अथवा  
(ख) संचार क्रांति, वैश्विक परिदृश्य और हिन्दी मीडिया  
4.5 (क) डॉक्यूमेंट्री निर्माण (Skill Enhancement Course, Any One)  
अथवा  
(ख) टेलीविजन कार्यक्रम : निर्माण की प्रक्रिया

5. सेमेस्टर - 5

- 5.1 मीडिया शोध (Core Discipline-11)  
5.2 मीडिया लेखन और समाचार-पत्र निर्माण (Core Discipline-12)  
5.3 हाशिए का समाज, अस्मिता विमर्श और हिन्दी मीडिया (Discipline Specific Elective-1)  
5.4 जनमाध्यमों की सैद्धांतिकी (Discipline Specific Elective-2)

6. सेमेस्टर - 6

- 6.1 विज्ञापन और जनसंपर्क (Core Discipline-13)  
6.2 परियोजना कार्य (Core Discipline-14)  
6.3 मीडिया प्रबंधन (Discipline Specific Elective-3)  
6.4 हिन्दी पत्रकारिता के नए आयाम (Discipline Specific Elective-4)

- एक अनिवार्य प्रश्नपत्र : आधुनिक भारतीय भाषा-संचार/अंग्रेजी
- एक अनिवार्य प्रश्नपत्र : पर्यावरण विज्ञान

**कुल 26 प्रश्नपत्र**

**\* पाठ्यक्रम के लिए आवश्यक निर्देश :**

1. इस पाठ्यक्रम को चलाने के लिए सभी महाविद्यालयों में तकनीकी सुविधा से सम्पन्न लैब की व्यवस्था अनिवार्य है।
2. सभी प्रश्नपत्रों के परियोजना-कार्य की सी.डी. बनानी होगी।
3. सभी प्रश्नपत्रों के अध्यापन के संदर्भ में मीडियाकर्मी/विषय विशेषज्ञ/प्रशिक्षित पत्रकारों द्वारा विशेष व्याख्यान कराना आवश्यक है।

**PROPOSED COURSE STRUCTURE  
UNDER CHOICE BASED CREDIT SYSTEM**

**Bachelor of Business Administration (Financial Investment Analysis)  
[BBA (FIA)]**

<b>Paper Code</b>		
	<b>Semester I</b>	
101	Environmental Science	Ability Enhancement – Compulsory
102	Financial Accounting & Analysis	Core Discipline
103	Managerial Economics	Core Discipline
104	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	Elective Course – Generic / Interdisciplinary
	<b>Semester II</b>	
201	Business Communication (Language : English / MIL)	Ability Enhancement - Compulsory
202	Statistics for Business Decisions	Core Discipline
203	Cost & Management Accounting	Core Discipline
204	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	Elective Course – Generic / Interdisciplinary
	<b>Semester III</b>	
301	Income Tax	Core Discipline
302	Corporate Finance	Core Discipline
303	Financial Markets & Institutions	Core Discipline
304	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	Elective Course – Generic / Interdisciplinary
305	Any <b>ONE</b> from list of <b>SKILL ENHANCEMENT COURSE (SEC)</b>	Skill Enhancement Course
	<b>Semester IV</b>	
401	Macro Economics	Core Discipline
402	Quantitative Techniques	Core Discipline
403	Financial Econometrics	Core Discipline
404	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	Elective Course – Generic / Interdisciplinary
405	Any <b>ONE</b> from the list of <b>SKILL ENHANCEMENT COURSE (SEC)</b>	Skill Enhancement Course
	<b>Semester V</b>	
501	Investment Analysis & Portfolio Management	Core Discipline
502	Financial Derivatives	Core Discipline
503	Elective – I	Discipline Specific Elective
504	Elective – II	Discipline Specific Elective
	<b>Semester VI</b>	
601	Corporate Restructuring	Core Discipline
602	International Finance	Core Discipline
603	Elective – III	Discipline Specific Elective
604	Elective – IV	Discipline Specific Elective

**Discipline Specific Elective:-**

<b>DSE I</b>	Investment Banking & Financial Services
<b>DSE II</b>	Corporate Analysis & Valuation
<b>DSE III</b>	Business Tax Planning
<b>DSE IV</b>	International Trade Blocks and Multilateral Agencies
<b>DSE V</b>	Corporate Accounting
<b>DSE VI</b>	Strategic Corporate Finance
<b>DSE VII</b>	Management of Financial Institutions
<b>DSE VIII</b>	Forensic Analysis and Fraud Investigation
<b>DSE IX</b>	Research Project

**Skill Enhancement Course:-**

<b>SEC I</b>	IT Tools for Business
<b>SEC II</b>	Financial Software package (s)
<b>SEC III</b>	Personality Development & Communication Skills
<b>SEC IV</b>	Research Software Package
<b>SEC V</b>	Summer Internship (6-8 weeks)

**Generic Elective / Interdisciplinary Course:-**

<b>Generic I</b>	Entrepreneurship Development
<b>Generic II</b>	Organizational Behavior
<b>Generic III</b>	Business Ethics & Corporate Governance
<b>Generic IV</b>	Production & Operations Management
<b>Generic V</b>	Research Methodology
<b>Generic VI</b>	Economic Legislation
<b>Generic VII</b>	Indirect Taxes

**B.A. (HONS.) BUSINESS ECONOMICS:**  
**Three-Year (Six Semesters) CBCS Programme**  
**Proposed Course Structure**

**SEMESTER-WISE ALLOCATION**

<b>Paper Code</b>	<b>Semester I</b>	
AECC-1	Environmental Studies	Ability Enhancement - Compulsory
C1	Microeconomics and Applications- I	Core Discipline
C2	Accounting for Managers	Core Discipline
G1	Any One from the List of Generic Elective / Interdisciplinary Courses	Elective Course – Interdisciplinary
	<b>Semester II</b>	
AECC-2	Business Communication (Language: English/MIL)	Ability Enhancement - Compulsory
C3	Microeconomics and Applications - II	Core Discipline
C4	Mathematics for Business Economics	Core Discipline
G2	Any One from the List of Generic Elective / Interdisciplinary Courses	Elective Course – Interdisciplinary
	<b>Semester III</b>	
C5	Macroeconomics and Applications – I	Core Discipline
C6	Statistics for Business Economics	Core Discipline
C7	Corporate Finance	Core Discipline
G3	Any One from the List of Generic Elective / Interdisciplinary Courses	Elective Course – Interdisciplinary
SEC-I	Any ONE from the list of SKILL ENHANCEMENT COURSE (SEC)	Skill Enhancement Course
	<b>Semester IV</b>	
C8	Macroeconomics and Applications – II	Core Discipline
C9	Basic Econometrics	Core Discipline
C10	Marketing Management	Core Discipline
G4	Any One from the List of Generic Elective / Interdisciplinary Courses	Elective Course – Interdisciplinary
SEC-II	Any ONE from the list of SKILL ENHANCEMENT COURSE (SEC)	Skill Enhancement Course
	<b>Semester V</b>	
C11	Quantitative Techniques for Management	Core Discipline
C12	Organization Behavior	Core Discipline
DSE-I	Elective – I	Discipline Specific Elective
DES-II	Elective – II	Discipline Specific Elective
	<b>Semester VI</b>	
C13	International Economics	Core Discipline

C14	Legal Aspects of Business	Core Discipline
DSE-III	Elective – I	Discipline Specific Elective
DSE-IV	Elective – II	Discipline Specific Elective
<b>Project Work/ Dissertation in lieu of one of the Elective Core discipline papers</b>		

#### **LIST OF SKILL ENHANCEMENT COURSES (SEC)**

1. Entrepreneurial Skills
2. Introductory Research Methods
3. Applied Econometrics
4. Data Base and Statistical Packages

#### **LIST OF DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE): A Student would be free to choose any FOUR papers**

1. Indian Economy
2. Environmental Economics
3. Indian Financial Markets and Services
4. Advertising & Consumer Behaviour
5. Economic Growth & Development
6. Industrial Economics
7. Investment and Risk Management
8. Research Methods in Business Economics

#### **List of General Elective papers –Interdisciplinary**

- GE 1: Microeconomics
- GE 2: Macroeconomics
- GE 3: Fundamentals of Finance and its Applications
- GE 4: Introduction to Marketing Management

**COURSE STRUCTURE**  
**BACHELOR IN MANAGEMENT STUDIES**

<b>Paper Code</b>		
<b>Semester I</b>		
101	Environmental Science	Ability Enhancement - Compulsory
102	Fundamentals of Management & Organisational Behaviour	Core Discipline
103	Statistics for Business Decisions	Core Discipline
104	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	Elective Course – Generic /Interdisciplinary
<b>Semester II</b>		
201	Business Communication (Language : English / MIL)	Ability Enhancement - Compulsory
202	Managerial Economics	Core Discipline
203	Business Accounting	Core Discipline
204	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	Elective Course – Generic /Interdisciplinary
<b>Semester III</b>		
301	Macroeconomics	Core Discipline
302	Principles of Marketing	Core Discipline
303	Management Accounting	Core Discipline
304	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	Elective Course – Generic /Interdisciplinary
305	Any <b>ONE</b> from list of <b>SKILL ENHANCEMENT COURSE (SEC)</b>	Skill Enhancement Course
<b>Semester IV</b>		
401	Business Research	Core Discipline
402	Human Resource Management	Core Discipline
403	Financial Management	Core Discipline
404	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	Elective Course – Generic / Interdisciplinary
405	Any <b>ONE</b> from the list of <b>SKILL ENHANCEMENT COURSE (SEC)</b>	Skill Enhancement Course
<b>Semester V</b>		
501	Quantitative Techniques for Management	Core Discipline
502	Legal Aspects of Business	Core Discipline
503	Elective – I	Discipline Specific Elective
504	Elective – II	Discipline Specific Elective
<b>Semester VI</b>		
601	Business Policy & Strategy	Core Discipline
602	Financial Institutions & Markets	Core Discipline
603	Elective – III	Discipline Specific Elective
604	Elective – IV	Discipline Specific Elective

A

<b>DISCIPLINE SPECIFIC ELECTIVE COURSE : A Student would be free to choose any FOUR papers from ONE group . The COURSE offers FOUR groups viz. Finance (DSE - I), Marketing (DSE - II) , Human Resource (DSE - III) and Management of Global Business (DSE – IV)</b>				
	<b>DSE - I (Finance)</b>	<b>DSE - II (Marketing)</b>	<b>DSE - III (Human Resource)</b>	<b>DSE – IV (Management of Global Business)</b>
1.	International Finance	Consumer Behaviour	HRD : Systems & Strategies	International Trade Policy & Strategy
2	Investment Banking & Financial Services	Personal Selling & Sales Force Management	Training & Development	Global Business Environment
3	Investment Analysis & Portfolio Management	Advertising & Brand Management	Management of Industrial Relations	Transnational & Cross Cultural Marketing
4	Project Appraisal	Retail Management	Performance & Compensation Management	International Distribution & Supply Chain Management
5	Business Analysis & Valuation	Distribution & Supply Chain Management	Counselling & Negotiation Skills for Managers	International Accounting & Reporting System
6	Financial Modelling & Derivatives	Marketing of Services	Cross Cultural HRM	Multinational Business Finance
7	Strategic Corporate Finance	International Marketing	Talent & Knowledge Management	International Joint Ventures, Mergers & Acquisitions

**SKILL ENHANCEMENT COURSE (SEC)**

1. IT Tools for Business
2. Personality Development & Communication Skills
3. E Commerce
4. Statistical Software package (s)
5. Financial Software package (s)

**Generic Elective / Interdisciplinary Course (Choose Any FOUR)**

1. Entrepreneurship Development
2. Ethics & Corporate Social Responsibility
3. Tax Planning
4. Econometrics
5. Production & Operations Management
6. India's Diversity & Business



## B.Sc. (Hons.) Anthropology

S.No.	Core Paper	Theory	Practical
1.	Introduction to Biological Anthropology	√	√
2.	Introduction to Socio-cultural Anthropology	√	√
3.	Archaeological Anthropology	√	√
4.	Fundamentals of Human Origin & Evolution	√	√
5.	Tribes and Peasants in India	√	√
6.	Human Ecology: Biological & Cultural dimensions	√	√
7.	Biological Diversity in Human Populations	√	√
8.	Theories of Culture and Society	√	√
9.	Human Growth and Development	√	√
10.	Research Methods	√	√
11.	Human Population Genetics	√	√
12.	Anthropology in Practice	√	√
13.	Forensic Anthropology	√	√
14.	Anthropology of India	√	√

S.No.	Elective courses	Theory	Practical
1.	Physiological Anthropology	√	√
2.	Sports and Nutritional Anthropology	√	√
3.	Human Genetics	√	√
4.	Neuro Anthropology	√	√
5.	Forensic Dermatoglyphics	√	√
6.	Paleoanthropology	√	√
7.	Anthropology of Religion, Politics and Economy	√	√
8.	Tribal Cultures of India	√	√
9.	Indian Archaeology	√	√
10.	Visual Anthropology	√	√
11.	Fashion Anthropology	√	√
12.	Demographic Anthropology	√	√
13.	Urban Anthropology	√	√
14.	Anthropology of Health	√	√

### Interdisciplinary/Generic elective

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| 1) Health science                | 11) Forensic Science                  |
| 2) Home science                  | 12) Neuro-science                     |
| 3) Biotechnology                 | 13) Physical Education                |
| 4) Psychology                    | 14) Tourism Administration            |
| 5) Animation and Visual Graphics | 15) Insurance and Banking             |
| 6) Interior Design               | 16) Journalism and Mass Communication |
| 7) Economics                     | 17) BCA                               |
| 8) Environmental Science         | 18) BBA                               |
| 9) Fashion Design                | 19) Hotel Management                  |
| 10) Food Technology              | 20) BBA (Health Care Management)      |
| 21) Marine Science               |                                       |

**Ability enhancement Elective (skill based)**

- |  |                         |
|--|-------------------------|
| 1) Public Health and Epidemiology      | 3) Media Anthropology   |
| 2) Business and Corporate Anthropology | 4) Tourism Anthropology |

**Note: Student will opt either dissertation or project work or one paper from the elective discipline course in 6<sup>th</sup> Semester. He will be attached with one supervisor or guide.**

# B.Sc. (Hons.) Forensic Science

## I. CORE COURSE

Year	Semester	Paper No.	Title of Paper
First	I	FSHT-101	Introduction to Forensic Science
		FSHT-102	Crime and Society
	II	FSHT-201	Criminal Law
		FSHT-202	Forensic Psychology
Second	III	FSHT-301	Forensic Dermatoglyphics
		FSHT-302	Technological Methods in Forensic Science
		FSHT-303	Criminalistics
	IV	FSHT-401	Forensic Chemistry
		FSHT-402	Questioned Documents
		FSHT-403	Forensic Biology
Third	V	FSHT-501	Forensic Ballistics
		FSHT-502	Forensic Toxicology
	VI	FSHT-601	Forensic Anthropology
		FSHT-602	Forensic Medicine

## II. ELECTIVE COURSE

A. Discipline Specific	B. Generic Elective/Interdisciplinary
Two each in Semester V and VI. To be chosen from the following.	One each in Semester I, II, III and IV. To be chosen from the following.
DSE-1: Digital Forensics	GE-1: Physics
DSE-2: Economic Offences	GE-2: Chemistry
DSE-3: Forensic Serology	GE-3: Botany
DSE-4: Accident Investigations	GE-4: Zoology
DSE-5: DNA Typing	GE-5: Anthropology
DSE-6: Dissertation (in Semester VI only)	GE-6: Computer Science
	GE-7: Economics
	GE-8: Psychology

## III. ABILITY ENHANCEMENT COURSE

1. Ability Enhancement Compulsory	2. Ability Enhancement Elective (Skill Based)
One each in Semester I and II. AECC-1: Environmental Science AECC-2: English/MIL Communication <i>The College will have an option to take either of the two papers in a particular Semester (I or II), while the students have to appear in both the papers.</i>	One each in Semester III and IV. To be chosen from the following. AECC-1: Introduction to Biometry AECC-2: Handwriting Identification and Recognition AECC-3: Forensic Science and Society

## Structure of B.Sc. (Honours) Biochemistry under CBCS

### Core Course

BCH C-1:	Molecules of Life
BCH C-2:	Cell Biology
BCH C-3:	Proteins
BCH C-4:	Enzymes
BCH C-5:	Metabolism of Carbohydrates and Lipids
BCH C-6:	Membrane Biology and Bioenergetics
BCH C-7:	Hormone: Biochemistry and Function
BCH C-8:	Human Physiology
BCH C-9:	Gene Organization, Replication and Repair
BCH C-10:	Metabolism of Amino Acids and Nucleotides
BCH C-11:	Concepts in Genetics
BCH C-12:	Gene Expression and Regulation
BCH C-13:	Genetic Engineering and Biotechnology
BCH C-14:	Immunology

### Discipline Specific Elective (*Any four*)

BCH DSE-1:	Nutritional Biochemistry
BCH DSE-2:	Research Methodology
BCH DSE-3:	Molecular basis of non-infectious human diseases
BCH DSE-4:	Molecular basis of infectious diseases
BCH DSE-5:	Research Project
BCH DSE-6:	Advanced cell biology
BCH DSE-7:	Plant Biochemistry
BCH DSE-8:	Basic Microbiology

### Generic Elective (*Any four*)

BCH GE-1:	Biochemistry of Cell
BCH GE-2:	Proteins and Enzymes
BCH GE-3:	Intermediary Metabolism
BCH GE-4:	Gene Organization, Expression and Regulation
BCH GE-5:	Fundamentals of Cell Biology and Immunology
BCH GE-6:	Fundamentals of Genetic Engineering
BCH GE-7:	Biochemical Correlations in Diseases

### Ability Enhancement Compulsory Course

AECC-1:	English communication
AECC-2:	Environmental science

### Skill Enhancement Elective Course (*Any two*)

BCH SEC-1:	Tools and Techniques in Biochemistry
BCH SEC-2:	Protein Purification Techniques
BCH SEC-3:	Clinical Biochemistry
BCH SEC-4:	Bioinformatics
BCH SEC-5:	Recombinant DNA Technology

## COURSE STRUCTURE of B.Sc. (Honours) Biochemistry under CBCS

SEMESTER I		SEMESTER II	
C1	Molecules of Life	C3	Proteins
C2	Cell Biology	C4	Enzymes
AECC1	English/MIL Communication or EVS	AECC2	English/MIL Communication or EVS
GE1	Generic Elective	GE2	Generic Elective
SEMESTER III		SEMESTER IV	
C5	Metabolism of Carbohydrates and Lipids	C8	Human Physiology
C6	Membrane Biology and Bioenergetics	C9	Gene Organization, Replication and Repair
C7	Hormone: Biochemistry and Function	C10	Metabolism of Amino Acids and Nucleotides
SEC1	Skill Enhancement Course	SEC2	Skill Enhancement Course
GE3	Generic Elective	GE4	Generic Elective
SEMESTER V		SEMESTER VI	
C11	Concepts in Genetics	C13	Genetic Engineering and Biotechnology
C12	Gene Expression and Regulation	C14	Immunology
DSE1	Discipline Specific Elective	DSE3	Discipline Specific Elective
DSE2	Discipline Specific Elective	DSE4	Discipline Specific Elective

C: Core Courses; GE: Generic Elective; AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective

### Generic Elective (any one per semester in semesters I-IV)

- BCH GE-1: Biochemistry of Cell
- BCH GE-2: Proteins and Enzymes
- BCH GE-3: Intermediary Metabolism
- BCH GE-4: Gene Organization, Expression and Regulation
- BCH GE-5: Fundamentals of Cell Biology and Immunology
- BCH GE-6: Fundamentals of Genetic Engineering
- BCH GE-7: Biochemical Correlations in Diseases

### Skill Enhancement Course (any one per semester in semesters III-IV)

- BCH SEC-1: Tools and Techniques in Biochemistry
- BCH SEC-2: Protein Purification Techniques
- BCH SEC-3: Clinical Biochemistry
- BCH SEC-4: Bioinformatics
- BCH SEC-5: Recombinant DNA Technology

### Discipline Specific Elective (any two per semester in semesters V-VI)

- BCH DSE-1: Nutritional Biochemistry
- BCH DSE-2: Research Methodology
- BCH DSE-3: Molecular basis of non-infectious human diseases
- BCH DSE-4: Molecular basis of infectious diseases
- BCH DSE-5: Research Project
- BCH DSE-6: Advanced cell biology
- BCH DSE-7: Plant Biochemistry
- BCH DSE-8: Basic Microbiology

# B.Sc. (Hons.) Biomedical Science

## COURSE STRUCTURE

SEMESTER I		SEMESTER II	
C1	BMS-101: Bioorganic Chemistry	C3	BMS-201: Principles of Genetics
C2	BMS-102: Cell and Radiation Biology	C4	BMS-202: Human Physiology and Anatomy I
AECC1	English/MIL Communication or EVS	AECC2	EVS or English/MIL Communication
GE1	Generic Elective	GE2	Generic Elective
SEMESTER III		SEMESTER IV	
C5	BMS-301: Biochemistry	C8	BMS-401: Immunobiology
C6	BMS-302: Human Physiology and Anatomy II	C9	BMS-402: Molecular Biology
C7	BMS-303: Medical Microbiology	C10	BMS-403: Medicinal Chemistry
SEC1	Skill Enhancement Course	SEC2	Skill Enhancement Course
GE3	Generic Elective	GE4	Generic Elective
SEMESTER V		SEMESTER VI	
C11	BMS-501: Biophysics	C13	BMS-601: Human Pathology
C12	BMS-502: Pharmacology	C14	BMS-602: Toxicology
DSE1	Discipline Specific Elective	DSE3	Discipline Specific Elective
DSE2	Discipline Specific Elective	DSE4	Discipline Specific Elective

C: Core Courses; GE: Generic Elective; AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective

### GE 1-4: Generic Electives (any one per semester in semesters 1-4)

BMS-G1: Basics of Immunology  
 BMS-G2: Biological Chemistry  
 BMS-G3: Biosafety and Bioethics  
 BMS-G4: Biostatistics  
 BMS-G5: Bridging Information Technology and Biotechnology  
 BMS-G6: Concepts in Biotechnology  
 BMS-G7: Concepts in Medicinal Chemistry and Drug Development  
 BMS-G8: Intellectual Property Rights (IPR) for Biologists  
 BMS-G9: Pathological Basis of Diseases  
 BMS-G10: Pharmacology and Toxicology  
 BMS-G11: Tools and Model Organisms in Biomedical Research

### SEC 1-2: Skill Enhancement Courses (any one per semester in semesters 3-4)

BMS-S1: Methods in Epidemiological Data Analysis (EDA)  
 BMS-S2: Medical Laboratory Diagnostics (MLD)  
 BMS-S3: Techniques for Forensic Science  
 BMS-S4: Tools in Modern Biology

### DSE 1-4: Discipline Specific Elective (any two per semester in semesters 5-6)

BMS-A: Computational Biology and Drug Discovery  
 BMS-B: Genome Organization and Function  
 BMS-C: Human Genetics  
 BMS-D: Medical Biochemistry  
 BMS-E: Medical Biotechnology  
 BMS-F: Project Work (can be chosen only in semester 6)

**Structure of B.Sc. Honours Botany under CBCS**  
**Core Courses**

1. Microbiology and Phycology
2. Biomolecules and Cell Biology
3. Mycology and Phytopathology
4. Archegoniatae
5. Anatomy of Angiosperms
6. Economic Botany
7. Genetics
8. Molecular Biology
9. Ecology
10. Plant Systematics
11. Reproductive Biology of Angiosperms
12. Plant Physiology
13. Plant Metabolism
14. Plant Biotechnology

**Discipline Specific Electives (Four)**

Semester-V	DSE-1. Analytical Techniques in Plant Sciences DSE-2. Biostatistics
Semester-VI	DSE-3. Industrial and Environmental Microbiology DSE-4. Bioinformatics

**Generic Electives (Four) Offered to the students of other Departments**

Semester – I GE-I	GE-I (Any one) 1. Biodiversity (Microbes, Algae, Fungi and Archegoniatae) 2. Plant Anatomy and Embryology
Semester – II GE-II	GE-II 3. Plant Ecology and Taxonomy
Semester – III GE-III	GE-III (Any one) 4. Plant Physiology and Metabolism 5. Environmental Biotechnology
Semester – IV GE-IV	GE-IV 6. Economic Botany and Biotechnology

**Ability Enhancement Compulsory Course**

AEC-1. English/MIL Communication AEC-2. Environmental Science
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## **Structure of B.Sc. (Hons) Biological Science under CBCS**

### **Core Course**

- BS-C1: Chemistry
- BS-C2: Light and Life
- BS-C3: Biophysics
- BS-C4: Biodiversity
- BS-C5: Proteins and Enzymes
- BS-C6: Concepts in Cell Biology
- BS-C7: Functional Ecology
- BS-C8: Systems Physiology
- BS-C9: Concepts of Molecular Biology
- BS-C10: Metabolism and Integration
- BS-C11: Growth and Reproduction
- BS-C12: Fundamentals of Genetics
- BS-C13: Defense Mechanisms
- BS-C14: Concepts of Evolutionary Biology

### **Discipline Specific Elective (*Any four*)**

- DSE-1: Analytical Techniques in Plant Sciences
- DSE-2: Stress Biology
- DSE-3: Natural Resource management
- DSE-4: Wild Life Conservation
- DSE-5: Animal Behavior and Chronobiology
- DSE-6: Endocrinology
- DSE-7: Biomaterials
- DSE-8: Microbiology
- DSE- 9: Plant Biochemistry

### **Ability Enhancement Compulsory Course**

- AE-1: English communication
- AE-2: Environmental science

### **Skill Enhancement Elective Courses (*Any two*)**

- SEC-1: Medicinal Botany
- SEC-2: Bio fertilizers
- SEC-3: Medical Diagnostics
- SEC-4: Public Health and Management
- SEC-5: Biochemical Techniques
- SEC-6: Recombinant DNA Technology



### Skill Enhancement Courses: Elective (Two)

Semester -III SEC-I	SEC-I (Any one) 1. Ethnobotany 2. Intellectual Property Rights
Semester IV SEC-II	SEC-II (Any one) 3. Biofertilizers 4. Medicinal Botany

# B.Sc. (Hons.) Chemistry

## Course Structure (Chemistry-Major)

Details of courses under B.Sc. (Honours)

Course	Theory+ Practical	Credits
<hr/>		
<b>I. Core Course Theory</b> (14 Papers)	14 × 4=56	
<b>Core Course Practical</b> (14 Papers)	14 × 2=28	
<b>Total:</b>		<b>84</b>

### II. Elective Course (8 Papers)

A. 1. Discipline Specific Elective (DSE) Theory (4 Papers)	4 × 4=16	
A. 2. Discipline Specific Elective (DSE) Practical (4 Papers)	4 × 2=8	
B. 1. Generic Elective (GE)/ Interdisciplinary Theory (4 Papers)	4 × 4=16 4 × 5=20	
B. 2. Generic Elective (GE) Practical/Tutorial* (4 Papers)	4 × 2=8 4 × 1=4	
<b>Total:</b>		<b>48</b>

**Optional Dissertation or project work in place of one Discipline Specific Elective Paper. (6 credits) in 6<sup>th</sup> Semester**

### III. Ability Enhancement Courses (4 Papers)

1. Ability Enhancement Compulsory (2 Papers of 2 credits each)		
Environmental Science		
English/MIL Communication	2 × 2=4	
2. Ability Enhancement Elective (Skill Based) (2 Papers of 2 credits each)		
(Minimum 2)	2 × 2=4	
<b>Total:</b>		<b>08</b>

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**Total credit** **140**

\* Wherever there is a practical there will be no tutorial and vice-versa

SEMESTER	COURSE OPTED	COURSE NAME	Credits
I	AEC-I Compulsory	English Communications/ Environmental Science	2
	Core Course-I	Inorganic Chemistry-I	4
	Core Course-I Practical	Inorganic Chemistry-I Lab	2
	Core Course-II	Physical Chemistry-I	4
	Core Course-II Practical	Physical Chemistry-I Lab	2
	Generic Elective -1 GE-1		4/5
	Generic Elective -1 Practical/Tutorial		2/1
II	AEC-II Compulsory	Environmental Science English Communications	2
	Core Course-III	Organic Chemistry-I	4
	Core Course-III Practical	Organic Chemistry-I Lab	2
	Core Course-IV	Physical Chemistry-II	4
	Core Course-IV Practical	Physical Chemistry-II Lab	2
	Generic Elective -2 GE-2		4/5
	Generic Elective -2 Practical/Tutorial		2/1
III	Core Course-V	Inorganic Chemistry-II	4
	Core Course-V Practical	Inorganic Chemistry-II Lab	2
	Core Course-VI	Organic Chemistry-II	4
	Core Course-VI Practical	Organic Chemistry-II Lab	2
	Core Course-VII	Physical Chemistry-III	4
	Core Course-VII Practical	Physical Chemistry-III Lab	2
	Skill Enhancement Course -1 SEC-1		2
Generic Elective -3	GE-3	4/5	
Generic Elective -3	Practical/Tutorial	2/1	
IV	Core Course-VIII	Inorganic Chemistry-III	4
	Course-VIII Practical	Inorganic Chemistry-III Lab	2
	Core Course-IX	Organic Chemistry-III	4
	Course-IX Practical	Organic Chemistry-III Lab	2
	Core Course-X	Physical Chemistry-IV	4
	Course-X Practical	Physical Chemistry-IV Lab	2

	<b>Skill Enhancement Course -2 SEC -2</b>	<b>2</b>
	<b>Generic Elective -4 GE-4</b>	<b>4/5</b>
	<b>Generic Elective -4 Practical</b>	<b>2/1</b>
<hr/>		
<b>V</b>	<b>Core Course-XI Organic Chemistry-IV</b>	<b>4</b>
	<b>Core Course-XI Practical Organic Chemistry-IV Lab</b>	<b>2</b>
	<b>Core Course-XII Physical Chemistry-V</b>	<b>4</b>
	<b>Core Course-XII Practical Physical Chemistry-V Lab</b>	<b>2</b>
	<b>Discipline Specific Elective -1 DSE-1</b>	<b>4</b>
	<b>Discipline Specific Elective -1</b>	
	<b>Practical/Tutorial DSE-1 Lab</b>	<b>2</b>
	<b>Discipline Specific Elective -2 DSE-2</b>	<b>4</b>
	<b>Discipline Specific Elective- 2</b>	
	<b>Practical/Tutorial DSE-2 Lab</b>	<b>2</b>
<hr/>		
<b>VI</b>	<b>Core Course-XIII Inorganic Chemistry-IV</b>	<b>4</b>
	<b>Core Course-XIII Practical Inorganic Chemistry-IV Lab</b>	<b>2</b>
	<b>Core Course-XIV Organic Chemistry-V</b>	<b>4</b>
	<b>Core Course-XIV Practical Organic Chemistry-V Lab</b>	<b>2</b>
	<b>Discipline Specific Elective -3 DSE-3</b>	<b>4</b>
	<b>Discipline Specific Elective -3</b>	
	<b>Practical/Tutorial DSE-3 Lab</b>	<b>2</b>
	<b>Discipline Specific Elective-4 DSE-4</b>	<b>4</b>
	<b>Discipline Specific Elective -4</b>	
	<b>Practical/Tutorial DSE-4 Lab</b>	<b>2</b>
<hr/>		
	<b>Total Credits</b>	<b>140</b>

**Core Papers (C): (Credit: 06 each)**

*(4 Lectures/week for Theory and 4 Periods/week for practical)*

1. Inorganic Chemistry I: Atomic Structure & Chemical Bonding (4 + 4)
2. Physical Chemistry I: States of Matter & Ionic Equilibrium (4 + 4)
3. Organic Chemistry I: Basics and Hydrocarbons (4 + 4)
4. Physical Chemistry II: Chemical Thermodynamics and its Applications (4 + 4)
5. Inorganic Chemistry II: s- and p-Block Elements (4 + 4)
6. Organic Chemistry II: Oxygen Containing Functional Groups (4 + 4)
7. Physical Chemistry III: Phase Equilibria and Electrochemical Cells (4 + 4)
8. Inorganic Chemistry III: Coordination Chemistry (4 + 4)

- |                             |  |
|-----------------------------|--|
| 9. Organic Chemistry III:   | Heterocyclic Chemistry (4 + 4)           |
| 10. Physical Chemistry IV:  | Conductance & Chemical Kinetics (4 + 4)  |
| 11. Organic Chemistry IV:   | Biomolecules (4 + 4)                     |
| 12. Physical Chemistry V:   | Quantum Chemistry & Spectroscopy (4 + 4) |
| 13. Inorganic Chemistry IV: | Organometallic Chemistry (4 + 4)         |
| 14. Organic Chemistry V:    | Spectroscopy (4 + 4)                     |

**Discipline Specific Elective Papers: (Credit: 06 each) (4 papers to be selected)-  
DSE 1-4**

**DSE 1: Any one of the following**

1. Novel Inorganic Solids (4) + Lab (4)
2. Inorganic Materials of Industrial Importance (4) + Lab (4)

**DSE 2-4: Choose any three of the following**

1. Applications of Computers in Chemistry (4) + Lab (4)
2. Analytical Methods in Chemistry (4) + Lab (4)
3. Molecular Modelling & Drug Design (4) + Lab (4)
4. Polymer Chemistry (4) + Lab (4)
5. Research Methodology for Chemistry (5) + Tutorials (1)
6. Green Chemistry (4) + Lab (4)
7. Industrial Chemicals & Environment (4) + Lab (4)
8. Instrumental Methods of Analysis (4) + Lab (4)
9. Dissertation

**Other Discipline (Four papers of any one discipline)- GE 1 to GE 4**

1. Mathematics (5) + Tut (1)
2. Physics (4) + Lab (4)
3. Economics (5) + Tut (1)
4. Computer Science (4) + Lab (4)

**Skill Enhancement Courses (02 to 04 papers) (Credit: 02 each)- SEC1 to SEC4  
(Emphasis should be given to Hands on Exercises) (Hands on except for papers  
3, 5 and 6)**

1. IT Skills for Chemists
2. Basic Analytical Chemistry
3. Chemical Technology & Society
4. Chemoinformatics
5. Business Skills for Chemists
6. Intellectual Property Rights
7. Analytical Clinical Biochemistry
8. Green Methods in Chemistry
9. Pharmaceutical Chemistry
10. Chemistry of Cosmetics & Perfumes
11. Pesticide Chemistry
12. Fuel Chemistry

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**Generic Elective Papers (GE) (Minor-Chemistry) (any four) for other Departments/Disciplines: (Credit: 06 each)**

1. Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons (4) + Lab (4)
2. Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I (4) + Lab (4)
3. Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II (4) + Lab (4)
4. Chemistry of s- and p-block elements, States of matter and Chemical Kinetics (4) + Lab (4).
5. Chemistry of d-block elements, Quantum Chemistry and Spectroscopy (4) + Lab (4)
6. Organometallics, Bioinorganic chemistry, Polynuclear hydrocarbons and UV, IR Spectroscopy (4) + Lab (4)
7. Molecules of life (4) + Lab (4).

**At least two mathematics papers are compulsory for admission for MSc Chemistry in Delhi University.**

**Discipline (Two Mathematics papers compulsory, two papers of one other discipline may be selected)- GE 1 to GE**

# **B.Sc. Prog. App. Life Sciences with Agro-chemicals and Pest Mgmt.**

## **Core Courses –Botany**

1. Biology of life forms: Plants
2. Agricultural Botany and Weed science
3. Fundamentals of Plant Systematics and Ecology
4. Developmental Biology: Plants

## **Core Courses: Zoology**

1. Animal: Form, Structure and Function
2. Cell and cellular Processes
3. Biochemistry and Immunology
4. Molecular biology and Development biology

## **Core Courses-Chemistry**

1. Inorganic chemistry
2. Organic Chemistry -1
3. Organic Chemistry-2
4. Physical chemistry

### **Discipline Specific Electives-Botany (Any two)**

1. Genetics and Plant Biotechnology
2. Plants regulators and Economic Botany
3. Dissertation

### **Discipline Specific Electives: Zoology (Any two)**

1. General Entomology
2. Applied Entomology
3. Integrated Pest Management
4. Dissertation

### **Discipline Specific Electives-Chemistry (Any two)**

1. Soils And Fertilizers
2. Herbicides
3. Fungicides
4. Dissertation

### **Ability Enhancement Compulsory Courses**

1. English Communication
2. Environmental Science

## Skill Enhancement Courses (Any four)

### Botany

1. Medicinal Plants and IPR (Intellectual Property Rights)
2. Plants Quarantine
3. Plant health diagnostics and Management
4. Plants regulators and Economic Botany

### Zoology

1. Biotechnological control of Pest
2. Biological Control
3. Insect Toxicology
4. Quality control in IPM
5. Use of nuclear technology for agro-pest management

### Chemistry

1. Conventional Insecticides
2. Biological Insecticides
3. Pesticide Formulations
4. Analytical Techniques involved in Pesticide Analysis



# B.Sc. Prog. with Analytical Chemistry

## CORE COURSES: Analytical Chemistry

1. Analytical Chemistry: Basic Principles and Laboratory Operations.
2. Separation Methods -1 ( General chromatography, Centrifugation, Dialysis)
3. Quantitative Methods of Analysis
4. Separation Methods-2

## CORE COURSES: Chemistry

1. Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons
2. Chemical Energetics, Equilibria & Functional Group Organic Solutions, Phase Equilibria
3. Conductance, Electrochemistry & Functional Group Organic
4. Chemistry of s- and p-block elements, States of matter & Chemical kinetics

## CORE COURSES: Matho-Physics

1. Mechanics
2. Wave and Optics
3. Calculus and Matrices
4. Algebra

## DISCIPLINE SPECIFIC ELECTIVES: Analytical Chemistry (Any two)

1. Analytical Biochemistry
2. Instrumental Methods of Analysis
3. Green Chemistry
4. Industrial Chemicals and Environment

## DISCIPLINE SPECIFIC ELECTIVES Chemistry (Any two)

1. Applications of Computers in Chemistry
2. Molecular Modelling & Drug Design
3. Novel Inorganic Solids
4. Polymer Chemistry
5. Research Methodology for Chemistry
6. Inorganic Materials of Industrial Importance
7. Chemistry of d-Block elements, Quantum Chemistry & Spectroscopy
8. Organometallics, Bio-inorganic Chemistry, Polynuclear Hydrocarbons and UV, IR
9. Molecules of life

## DISCIPLINE SPECIFIC ELECTIVES Matho-Physics

(One each from Maths and Physics)

1. Electricity and Magnetism
2. Elements of Modern Physics
3. Medical Physics
4. Differential Equations
5. Calculus and Geometry

**ABILITY ENHANCEMENT COMPULSORY COURSES**

1. Environmental Science
2. English/ MIL communication

**SKILL ENHANCEMENT COURSES (Any four)**

1. Biotechnology
2. Forensic Science
3. Green Methods in Chemistry
4. Intellectual Property Rights
5. Business Skills for Chemists
6. Fuel Industry
7. Pesticide Chemistry
8. Chemoinformatics

## B.Sc. Prog. with Industrial Chemistry

SEMESTER	COURSE OPTED	COURSE NAME	Credits
I	Ability Enhancement Compulsory Course-I	English/MIL communications/ Environmental Science	2
	Core Course-I	DSC 1A: INDUSTRIAL CHEMICALS AND ENVIRONMENT	4
	Core Course-I Practical	Industrial Chemicals and Environment	2
	Core Course-II	DSC-2A Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	4
	Core Course-II Practical/ Tutorial	DSC 2A Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons Lab	2
	Core Course-III	DSC 3A Mathophysics Mechanics	4
	Core Course-III Practical /Tutorial	DSC 3A Mathophysics Mechanics	2
II	Ability Enhancement Compulsory Course-II	English/MIL communications/ Environmental Science	2
	Core Course-IV	DSC 1B INDUSTRIAL CHEMISTRY-FOSSIL FUELS, CLEANSING AGENTS AND FOOD ADDITIVES	4
	Core Course-IV Practical	DSC 1B INDUSTRIAL CHEMISTRY-FOSSIL FUELS, CLEANSING AGENTS AND FOOD ADDITIVES	2
	Core Course-V	DSC-2B Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I	4
	Core Course-V Practical/ Tutorial	DSC-2B Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I Lab	2
	Core Course-VI	DSC 3B Calculus and Matrices	6
III	Core Course-VII	DSC 1C INDUSTRIAL CHEMISTRY-INORGANIC MATERIALS	4
	Core Course-VII Practical	DSC 1C INDUSTRIAL CHEMISTRY-INORGANIC MATERIALS	2
	Core Course-VIII	DSC 2C Solutions, Phase Equilibria, Conductance, Electrochemistry &	4

		Functional Group Organic Chemistry-II	
	Core Course-VIII Practical/Tutorial	DSC 2C Solutions, Phase Equilibria, Conductance, Electrochemistry & Functional Group Organic Chemistry-II Lab.	2
	Core Course-IX	DSC 3C ALGEBRA	6
	Skill Enhancement Course -1	SEC-1	2
IV	Core course-X	DSC 1D INDUSTRIAL CHEMISTRY-4: PHARMACEUTICALS, FERMENTATION, PESTICIDES & PERFUMES	6
	Core Course-XI	DSC 2D Chemistry of s- and p-block elements, States of matter & Chemical kinetics	4
	Course-XI Practical/Tutorial	DSC 2D Chemistry of s- and p-block elements, States of matter & Chemical kinetics Lab	2
	Core Course-XII	DSC 3D PHYSICS -2: WAVE AND OPTICS	6
	Skill Enhancement Course -2	SEC -2	2
V	Skill Enhancement Course -3	SEC -3	2
	Discipline Specific Elective -1	DSE-1A	6

	Discipline Specific Elective -2	DSE-2A	6
	Discipline Specific Elective -3	DSE-3A	6
VI	Skill Enhancement Course -4	SEC -4	2
	Discipline Specific Elective -4	DSE-1B	6
	Discipline Specific Elective -5	DSE-2B	6
	Discipline Specific Elective-6	DSE-3B	6
Total Credits			120

### Details of courses

#### B.Sc. Program with Chemistry

Core papers Chemistry (Credit: 06 each) (CP 1-4):

1. Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons (4) + Lab (4)
2. Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I(4) + Lab (4)
3. Conductance, Electrochemistry & Functional Group Organic Chemistry-2(4) + Lab (4)
4. Chemistry of s- and p-block elements, States of matter and Chemical Kinetics (4) + Lab (4)

# B.Sc. (Hons.) Zoology

CBCS Undergraduate 2015 Zoology

Semester	Course Opted	Course Name	Credits
I	Ability Enhancement Compulsory Course-I	English communications/ Environmental Science	2
	Core course-I	Non-chordates I: Protista to Pseudocoelomates	4
	Core Course-I Practical		2
	Core course-II	Principles of Ecology	4
	Core Course-II Practical		2
	Generic Elective -1	GE-1	4
	Generic Elective -1 Practical/Tutorial		2
II	Ability Enhancement Compulsory Course-II	English Communications/ Environmental Science	2
	Core course-III	Non-chordates II: Coelomates	4
	Core Course-III Practical		2
	Core course-IV	Cell Biology	4
	Core Course-IV Practical		2
	Generic Elective -2	GE-2	4
	Generic Elective -2 Practical		2
III	Core course-V	Diversity of Chordata	4
	Core Course-V Practical		2
	Core course-VI	Physiology: Controlling and Coordinating systems	4
	Core Course-VI Practical		2
	Core course-VII	Fundamentals of Biochemistry	4
	Core Course-VII Practical		2
	Skill Enhancement Course-1	SEC-1	4
	Generic Elective -3	GE-3	4
	Generic Elective -3 Practical		2
IV	Core course-VIII	Comparative anatomy of vertebrates	4
	Course-VIII Practical		2
	Core course-IX	Physiology: Life Sustaining Systems	4
	Course-IX Practical		2
	Core course-X	Biochemistry of Metabolic Processes	4
	Core Course- X Practical		2
	Skill Enhancement Course-2	SEC-2	4
	Generic Elective -4	GE-4	4
	Generic Elective -4 Practical		2
V	Core course-XI	Molecular Biology	4
	Core Course-XI Practical		2
	Core course-XII	Principles of Genetics	4
	Core Course-XII Practical		2

Semest.	Course Opted	Course Name	Credits
	Discipline Specific Elective -1	DSE-1	4
	Discipline Specific Elective -1 Practical		2
	Discipline Specific Elective -2	DSE-2	4
	Discipline Specific Elective- 2 Practical/Tutorial		2
VI	Core course-XIII	Developmental Biology	4
	Core Course-XIII Practical/Tutorial		2
	Core course-XIV	Evolutionary Biology	4
	Core Course-XIV Practical/Tutorial		2
	Discipline Centric Elective -3	DSE-3	4
	Discipline Centric Elective -3 Practical/Tutorial		2
	Discipline Centric Elective-4	DSE-4	4
	Discipline Centric Elective -1 Practical/Tutorial		2
<b>Total:</b>			<b>140</b>

# B.Sc. Prog. Life Science (Botany, Chemistry, Zoology)

## Structure of B.Sc. Programme (Life Sciences)/ B.Sc. Medical under CBCS

	CORE COURSE (12)	Ability Enhancement Courses (AEC) (2)	Skill Enhancement Courses (SEC) (4)	Discipline Elective DSE (4)	Specific
I	CC-Botany-I CC-Zoology-I CC-Chemistry-I	English communication			
II	CC-Botany-II CC-Zoology-II CC-Chemistry-II	Environmental Science			
III	CC-Botany-III CC-Zoology-III CC-Chemistry-III		SEC-I		
IV	CC-Botany-IV CC-Zoology-IV CC-Chemistry-IV		SEC-II		
V			SEC-III	DSE-Botany I DSE- Zoology I DSE-3 Chemistry I	
VI			SEC-IV	DSE-Botany II DSE- Zoology II DSE-3 Chemistry II	

## Details of Courses

### Core Courses –Botany

1. Biodiversity (Microbes, Algae, Fungi and Archegoniate)
2. Plant Ecology and Taxonomy
3. Plant Anatomy and Embryology
4. Plant Physiology and Metabolism

### Core Courses: Zoology

1. Animal Diversity
2. Comparative Anatomy and Developmental Biology
3. Physiology and Biochemistry
4. Genetics and Evolutionary Biology

### Core Courses-Chemistry

1. Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons
2. Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I
3. Conductance, Electrochemistry & Functional Group Organic Chemistry-II
4. Chemistry of s- and p-block elements, States of matter and Chemical Kinetics

### Discipline Specific Electives-Botany (Any two)

1. Economic Botany and Biotechnology
2. Cell and Molecular Biology
3. Analytical Techniques in Plant Sciences
4. Bioinformatics
5. Research Methodology
6. Dissertation

### Discipline Specific Electives: Zoology (Any two)

1. Reproductive Biology
2. Wild Life Conservation and Management
3. Biotechnology
4. Immunology
5. Applied Zoology
6. Dissertation

### Discipline Specific Electives-Chemistry (Any two)



- 1.Applications of Computers in Chemistry
- 2.Analytical Methods in Chemistry
- 3.Molecular Modelling & Drug Design
- 4.Novel Inorganic Solids
- 5.Polymer Chemistry
- 6.Research Methodology for Chemistry
- 7.Green Chemistry
- 8.Industrial Chemicals & Environment
- 9.Inorganic Materials of Industrial Importance
- 10.Instrumental Methods of Analysis
- 11.Chemistry of d-block elements, Quantum Chemistry and Spectroscopy
- 12.Organometallics, Bioinorganic chemistry, Polynuclear hydrocarbons and UV, IR Spectroscopy
- 13.Molecules of Life
- 14.Dissertation

#### **Ability Enhancement Compulsory Courses**

- 1.Environmental Science
- 2.English/MIL Communication

#### **Skill Enhancement Courses (Any four)**

##### **Botany**

- 1.Biofertilizers
- 2.Herbal Technology
- 3.Nursery and Gardening
- 4.Floriculture
- 5.Medicinal Botany
- 6.Plant Diversity and Human Welfare
- 7.Ethnobotany
- 8.Mushroom Culture Technology
- 9.Intellectual Property Right

##### **Zoology**

- 10.Public Health and Hygiene
- 11.Aquarium Fish Keeping
- 12.Pisciculture
- 13.Poultry Farming
- 14.Sericulture
- 15.Apiculture

## Chemistry

- 16.IT Skills for Chemists
- 17.Basic Analytical Chemistry
- 18.Chemical Technology & Society
- 19.Chemoinformatics
- 20.Business Skills for Chemists
- 21.Intellectual Property Rights
- 22.Analytical Clinical Biochemistry
- 23.Green Methods in Chemistry
- 24.Pharmaceutical Chemistry
- 25.Chemistry of Cosmetics & Perfumes
- 26.Pesticide Chemistry
- 27.Fuel Chemistry

5

## Scheme of B.Sc. Programme (Life Sciences)/ B.Sc. Medical under CBCS

SEMESTER	COURSE OPTED	COURSE NAME	Credits
I	Ability Enhancement	English	2
	Compulsory Course-I	communications/ Environmental Science	
	Core course Botany I	Biodiversity (Microbes, Algae, Fungi and Archegoniate)	4
	Core Course Botany I Practical	Biodiversity- Practical	2
	Core course Zoology I	Biodiversity- Animals	4
	Core Course Zoology I Practical	Biodiversity- Animals Lab	2
	Core course Chemistry I	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	4

	<b>Core Course Practical</b>	<b>Chemistry I</b> Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons  -Lab	2
<b>II</b>	<b>Ability Compulsory Course-II</b>	<b>Enhancement</b> English communications/ Environmental Science	2
	<b>Core course Botany II</b>	Plant Ecology and Taxonomy	4
	<b>Core Course Botany -II Practical</b>	Plant Ecology and Taxonomy- Practical	2
	<b>Core course Zoology II</b>	Comparative Anatomy and Developmental Biology	4
	<b>Core Course Zoology II Practical</b>	Comparative Anatomy and Developmental Biology  Practical	2
	<b>Core course Chemistry II</b>	Chemical Energetics, Equilibria & Functional Group Organic	4

		Chemistry-I
	Core Course Chemistry II Practical	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I -Lab. 2
III	Core course Botany III	Anatomy and Embryology of Angiosperms 4
	Core Course Botany -III Practical	Anatomy and Embryology of Angiosperms-  Practical 2
	Core course Zoology III	Physiology and Biochemistry 4
Core Practical	Course Zoology	III Physiology and Biochemistry- Practical 2
	Core course Chemistry III	Conductance, Electrochemistry & Functional Group Organic Chemistry- II 4
Core Practical	Course Chemistry	III Conductance, Electrochemistry & Functional Group Organic Chemistry- II- Lab 2

Skill Enhancement Course-I		SEC-I	2
Core course Botany IV		Plant Physiology and Metabolism	4
IV			
Core Practical	Course Botany	–IV Plant Physiology and Metabolism Practical	2
Core course Zoology IV		Genetics and Evolutionary Biology	4
Core Practical	Course Zoology	IV Genetics and Evolutionary Biology Practical	2
Core course Chemistry IV		Chemistry of s- and p-block elements, States of matter and Chemical Kinetics.	4

Core Practical	Course Chemistry IV	Chemistry of s- and p-block elements, States of matter and Chemical Kinetics-Lab	2
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Skill Enhancement Course-II	SEC-II	2
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V

Discipline Specific	Elective	DSE Botany I	4
Botany –I			
Discipline Specific	Elective		2
Botany I Practical			
Discipline Specific	Elective	DSE Zoology I	4

VI

Zoology I				
Discipline	Specific	Elective		2
Zoology I Practical				
Discipline	Specific	Elective	DSE Chemistry I	4
Chemistry I				
Discipline	Specific	Elective		2
Chemistry I Practical				
Skill Enhancement Course -III		SEC-III		2
Discipline	Specific	Elective	DSE Botany II	4
Botany -II				
Discipline	Specific	Elective		2
Botany II Practical				
Discipline	Specific	Elective	DSE Zoology II	4
Zoology II				
Discipline	Specific	Elective		2
Zoology II Practical				
Discipline	Specific	Elective	DSE Chemistry II	4
Chemistry III				
	Discipline	Specific	Elective	2
	Chemistry III Practical			
	Skill Enhancement Course -IV	SEC-IV		2
				<b>Total: 120</b>

# Physics Paper in B.Sc. Programme with Electronics

## Scheme for choice based credit system in B. Sc. Program with Electronics as one subject

	CORE COURSE (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DSE (6)
I	Network Analysis and Analog Electronics	(English/MIL Communication)/ Environmental Science		
	DSC- 2 A			
	DSC- 3 A			
II	Linear and Digital Integrated Circuits	Environmental Science /(English/MIL Communication)		
	DSC- 2 B			
	DSC- 3 B			
III	Communication Electronics		SEC-1	
	DSC- 2 C			
	DSC- 3 C			
IV	Microprocessor and Microcontrollers		SEC -2	
	DSC- 2 D			
	DSC- 3 D			
V			SEC -3	DSE-1 A
				DSE-2 A
				DSE-3 A
VI			SEC -4	DSE-1 B
				DSE-2 B
				DSE-3 B

### B. Sc. Program with Electronics as one subject

Semester	COURSE OPTED	COURSE NAME	Credits
I	Ability Enhancement Compulsory Course-I	English communications/ Environmental Science	2
	Core course-I	Networks Analysis & Analog Electronics	4
	Core Course-I Practical/Tutorial*	Networks Analysis and Analog Electronics Lab	2
	Core course-II	DSC 2A	6
	Core Course-III	DSC 3A	6
II	Ability Enhancement Compulsory Course-II	English communications/ Environmental Science	2
	Core course-IV	Linear and Digital Integrated Circuits	4
	Core Course-IV Practical/Tutorial*	Linear & Digital Integrated Circuits Lab	2
	Core course-V	DSC 2B	6
	Core Course-VI	DSC 3B	6
III	Core course-VII	Communication Electronics	4
	Core course-VII Practical/Tutorial*	Communication Electronics Lab	2
	Core course-VIII	DSC 2C	6

	Core Course-IX	DSC 3C	6
	Skill Enhancement Course -1	SEC-1	2
IV	Core course-X	Microprocessor and Microcontroller	4
	Course-X Practical/Tutorial*	Microprocessor& Microcontroller Lab	2
	Core course-XI	DSC 2D	6
	Core course-XII	DSC 3D	6
	Skill Enhancement Course -2	SEC -2	2
V	Skill Enhancement Course -3	SEC -3	2
	Discipline Specific Elective -1*	DSE-1A (for Subject 1-Electronics)	6
	Discipline Specific Elective -2	DSE-2A (for subject-2)	6
	Discipline Specific Elective -3	DSE-3A (for subject-3)	6
VI	Skill Enhancement Course -4	SEC -4	2
	Discipline Specific Elective -4*	DSE-1B (for subject 1-Electronics)	6
	Discipline Specific Elective -5	DSE-2B (for subject-2)	6
	Discipline Specific Elective-6	DSE-3B (for subject-3)	6
<b>Total Credits</b>			<b>120</b>

\*Wherever there is a practical there will be no tutorial and vice-versa. The size of group for practical papers is recommended to be maximum of 12 to 15 students.

### **B.Sc. Program Electronics**

**Core papers Electronics (Credit: 06 each) (CP 1-4):**

1. Network Analysis and Analog Electronics (4) + Lab (4)
2. Linear and Digital Integrated Circuits (4) + Lab (4)
3. Communication Electronics (4) + Lab (4)
4. Microprocessor and microcontrollers (4) + Lab (4)

**Discipline Specific (Electronics) Elective papers (Credit: 06 each)**

(DSE 1, DSE 2): Choose any 2 (one in each semester).

**Odd semester Options:**

1. Semiconductor Devices Fabrication (4) + Lab (4)
2. Electronic Instrumentation (4) + Lab (4)
3. Digital Signal Processing (4) + Lab (4)

**Even semester Options:**

4. Verilog and FPGA based system Design (4) + Lab (4)
5. Photonic devices and Power Electronics (4) + Lab (4)
6. Antenna Theory and wireless Network (5) + Tutorial (1)
7. Dissertation

**Skill Enhancement Course (any four) (Credit: 02 each)- SEC 1 to SEC 4**

1. Computational Physics Skills
2. Electrical circuits and Network Skills
3. Renewable Energy and Energy harvesting
4. Technical Drawing
5. Applied Optics
6. Weather Forecasting



## B.Sc. (Hons.) Geology

SEMESTER	COURSE OPTED	COURSE NAME	CREDIT
I	Ability Enhancement: compulsory course - I	Communicative English	2
	Core Course - I	Earth System Science	4
	Core Course - I (Practical)		2
	Core Course - II	Mineral Science	4
	Core Course - II (Practical)		2
	Generic Elective - I	GE - I	4
	Generic Elective - I (Practical)	GE - I	2
		<b>Total Credit</b>	<b>20</b>
SEMESTER	COURSE OPTED	COURSE NAME	CREDIT
II	Ability Enhancement: compulsory course - II	Environmental Science	2
	Core Course - III	Elements of Geochemistry	4
	Core Course - III (Practical)		2
	Core Course - IV	Structural Geology	4
	Core Course - IV (Practical)		2
	Skill enhancement course - I	Field Work - I	2
	Generic Elective - II	GE - II	4
		<b>Total Credit</b>	<b>20</b>

<b>SEMESTER</b>	<b>COURSE OPTED</b>	<b>COURSE NAME</b>	<b>CREDIT</b>
III	Core Course – V	Igneous Petrology	4
	Core Course – V (Practical)		2
	Core Course - VI	Sedimentary Petrology	4
	Core Course – VI (Practical)		2
	Core Course – VII	Paleontology	4
	Core Course – VII (Practical)		2
	Generic Elective - III		4
	Generic Elective - III (Practical)		2
		<b>Total Credit</b>	<b>24</b>
<b>SEMESTER</b>	<b>COURSE OPTED</b>	<b>COURSE NAME</b>	<b>CREDIT</b>
IV	Core Course – VIII	Metamorphic Petrology	4
	Core Course – VIII (Practical)		2
	Core Course – IX	Stratigraphic Principles and Indian Stratigraphy	4
	Core Course IX Practical		2
	Core Course – X	Hydrogeology	4
	Core Course – X (Practical)		2
	Skill Enhancement Course - II	Field Work - II	2
	Generic Elective - IV	GE - 4	4
	Generic Elective - IV (Practical)		2
		<b>Total Credit</b>	<b>26</b>

<b>SEMESTER</b>	<b>COURSE OPTED</b>	<b>COURSE NAME</b>	<b>CREDIT</b>
V	Core Course – XI	Economic Geology	4
	Core Course – XI (Practical)		2
	Core Course – XII	Geomorphology	4
	Core Course – XII (Practical)		2
	Discipline Specific Elective - I	DCE - I	4
	Discipline Specific Elective - I (Practical)		2
	Discipline Specific Elective - II	DCE - II	4
	Discipline Specific Elective - II (Practical)		2
		<b>Total Credit</b>	<b>24</b>
<b>SEMESTER</b>	<b>COURSE OPTED</b>	<b>COURSE NAME</b>	<b>CREDIT</b>
VI	Core Course – XIII	Engineering Geology	4
	Core Course – XIII (Practical)		2
	Core Course – XIV	Remote Sensing & GIS	4
	Core Course – XIV (Practical)		2
	Discipline Specific Elective - III	DSE - III	4
	Discipline Specific Elective (Practical - III)		2
	Discipline Specific Elective - IV	DSE - IV	4
	Discipline Specific Elective (Practical - IV)		2
	Skill Enhancement Course - III	SEC – III (Field Work)	2
	<b>Total Credit</b>	<b>26</b>	
<b>Grand Total of Credits in Six Semesters</b>			<b>140</b>

## B.Sc. (Hons.) Food Technology

Semester	Course Opted	Course Name	Credits
I	Ability Enhancement Compulsory Course - I	English Communications/ Environmental Science	2
	C-1 Theory	Fundamentals of Food Technology	4
	C-1 Practical	Fundamentals of Food Technology Practical	2
	C-2 Theory	Principles of Food Science	4
	C-2 Practical	Principles of Food Science Practical	2
	GE -1 Theory	GE -1	4
	GE -1 Practical	GE -1 Practical	2
II	Ability Enhancement Compulsory Course - II	English Communications/ Environmental Science	2
	C-3 Theory	Technology of Food Preservation	4
	C-3 Practical	Technology of Food Preservation Practical	2
	C-4 Theory	Food Processing Technology	4
	C-4 Practical	Food Processing Technology Practical	2
	GE -2 Theory	GE -2 Theory	4
	GE - 2 Practical	GE - 2 Practical	2
III	C-5 Theory	Food and Nutrition	4
	C-5 Practical	Food and Nutrition Practical	2
	C-6 Theory	Technology of Fruits, Vegetables and Plantation Crops	4
	C-6 Practical	Technology of Fruits, Vegetables and Plantation Crops Practical	2
	C-7 Theory	Technology of Dairy and Sea Food	4
	C-7 Practical	Technology of Dairy and Sea Food Practical	2
	SEC-1	SEC-1	2
	GE -3 Theory	GE -3 Theory	4
	GE - 3 Practical	GE - 3 Practical	2
IV	C-8 Theory	Technology of Cereals, Pulses and Oilseeds	4
	C-8 Practical	Technology of Cereals, Pulses and Oilseeds Practical	2
	C-9 Theory	Food Microbiology	4
	C-9 Practical	Food Microbiology Practical	2

	C-10 Theory	Technology of Meat, Poultry and Egg	4
	C-10 Practical	Technology of Meat, Poultry and Egg Practical	2
	SEC-2	SEC-2	2
	GE -4 Theory	GE -4 Theory	4
	GE – 4 Practical	GE – 4 Practical	2
V	C-11 Theory	Food Engineering	4
	C-11 Practical	Food Engineering Practical	2
	C-12 Theory	Food Chemistry-I	4
	C-12 Practical	Food Chemistry-I Practical	2
	DSE -1 Theory	DSE -1 Theory	4
	DSE -1 Practical	DSE -1 Practical	2
	DSE -2 Theory	DSE -2 Theory	4
	DSE -2 Practical	DSE -2 Practical	2
VI	C-13 Theory	Food Chemistry-II	4
	C-13 Practical	Food Chemistry-II Practical	2
	C-14 Theory	Food Quality and Sensory Evaluation	4
	C-14 Practical	Food Quality and Sensory Evaluation Practical	2
	DSE -3 Theory	DSE -3 Theory	4
	DSE -3 Practical	DSE -3 Practical	2
	DSE -4 Theory	DSE -4 Theory	4
	DSE -4 Practical	DSE -4 Practical	2
	<b>Total</b>		<b>140</b>

Total Credits: 84 Core + 24 DSE + 4 SEC + 4 AECC + 24 GE = 140

## **STRUCTURE OF B.SC HONOURS FOOD TECHNOLOGY UNDER CBCS**

### **CORE COURSE (14 Courses) Total Credits 84**

#### **CREDITS – 6 Each (4 Credits Theory + 2 Credits Practical = 6)**

C1 –Fundamentals of Food Technology: 4 Credits Theory + 2 Credits Practical

C2-Principles of Food Science: 4 Credits Theory + 2 Credits Practical

C3- Technology of Food Preservation: 4 Credits Theory + 2 Credits Practical

C4- Food Processing Technology: 4 Credits Theory + 2 Credits Practical

C5-Food and Nutrition: 4 Credits Theory + 2 Credits Practical

C6- Technology of Fruits, Vegetables and Plantation Crops: 4 Credits Theory + 2 Credits Practical

C7-Technology of Dairy and Sea Food: 4 Credits Theory + 2 Credits Practical

C8- Technology of Cereals, Pulses and Oilseeds: 4 Credits Theory + 2 Credits Practical

C9- Food Microbiology: 4 Credits Theory + 2 Credits Practical

C10- Technology of Meat, Poultry and Egg: 4 Credits Theory + 2 Credits Practical

C11-Food Engineering: 4 Credits Theory + 2 Credits Practical

C12-Food Chemistry-I: 4 Credits Theory + 2 Credits Practical

C13-Food Chemistry-II: 4 Credits Theory + 2 Credits Practical

C14-Food Quality and Sensory Evaluation: 4 Credits Theory + 2 Credits Practical

### **DISCIPLINE SPECIFIC ELECTIVE (ANY FOUR) (4 x 6 = 24 Credits)**

#### **CREDITS – 6 Each (4 Credits Theory + 2 Credits Practical = 6)**

DSE-1 Food Safety: 4 Credits Theory + 2 Credits Practical

DSE-2 Food Quality Management: 4 Credits Theory + 2 Credits Practical

DSE-3 Bakery Technology: 4 Credits Theory + 2 Credits Practical

DSE-4 Food Packaging: 4 Credits Theory + 2 Credits Practical

DSE-5 Nutraceutical and Functional Foods: 4 Credits Theory + 2 Credits Practical

DSE-6 Food Plant Sanitation: 4 Credits Theory + 2 Credits Practical

**SKILL ENHANCEMENT ELECTIVE COURSE (ANY TWO) (2 x 2 = 4)**

**CREDITS – 2 Each (2 Credits Theory or Practical = 2)**

SEC-1 Entrepreneurship Development: 2 Credits Theory

SEC-2 Food Product Development: 2 Credits Practical

SEC-3 Food Fermentation Technology: 2 Credits Practical

SEC-4 Confectionary Technology: 2 Credits Practical

SEC 5 Project and Technical Report: 2 Credits Practical

**GENERIC ELECTIVE (ANY FOUR) (4 x 6 = 24)**

**CREDITS – 6 Each (4 Credits Theory + 2 Credits Practical = 6)**

GE 1. Food Processing and Preservation: 4 Credits Theory + 2 Credits Practical

GE 2. Chemistry of Food: 4 Credits Theory + 2 Credits Practical

GE 3. Sensory Evaluation of Food: 4 Credits Theory + 2 Credits Practical

GE 4. Food Microbiology and Food Safety: 4 Credits Theory + 2 Credits Practical

GE 5. Food Engineering and Packaging: 4 Credits Theory + 2 Credits Practical

GE 6. Technology of Plant and Animal Foods: 4 Credits Theory + 2 Credits Practical

### B.SC. (HONS) HOME SCIENCE

Semester	Course Opted	Course Name	Credits
I	Ability Enhancement Compulsory Course - I	English Communications/ Environmental Science	2
	CC-1 Theory	Human Development I: The Childhood Years	4
	CC -1 Practical	Human Development I: The Childhood Years Practical	2
	CC -2 Theory	Food and Nutrition	4
	CC -2 Practical	Food and Nutrition Practical	2
	GE -1 Theory	GE -1	4
	GE -1 Practical	GE -1 Practical	2
II	Ability Enhancement Compulsory Course -II	English Communications/ Environmental Science	2
	CC-3 Theory	Dynamics of Communication & Extension	4
	CC-3 Practical	Dynamics of Communication & Extension Practical	2
	CC-4 Theory	Resource Management	4
	CC-4 Practical	Resource Management Practical	2
	GE -2 Theory	GE -2 Theory	4
	GE - 2 Practical	GE - 2 Practical	2
III	CC-5 Theory	Introduction to Textiles	4
	CC-5 Practical	Introduction to Textiles Practical	2
	CC-6 Theory	Communication Systems and Mass Media	4
	CC-6 Practical	Communication Systems and Mass Media Practical	2
	CC-7 Theory	Personal Finance & Consumer Studies	4
	CC-7 Practical	Personal Finance & Consumer Studies Practical	2
	SEC-1	SEC-1	2
	GE -3 Theory	GE -3 Theory	4
GE - 3 Practical	GE - 3 Practical	2	
IV	CC-8 Theory	Human Development II: Development in Adolescence and Adulthood	4
	CC-8 Practical	Human Development II: Development in Adolescence and Adulthood Practical	2
	CC-9 Theory	Nutrition: A Life Cycle Approach	4
	CC-9 Practical	Nutrition: A Life Cycle Approach Practical	2
	CC-10 Theory	Fashion Design Concepts	4
	CC-10 Practical	Fashion Design Concepts Practical	2
	SEC-2	SEC-2	2
	GE -4 Theory	GE -4 Theory	4
GE - 4 Practical	GE - 4 Practical	2	
V	CC-11 Theory	Life Sciences	4
	CC-11 Practical	Life Sciences Practical	2
	CC-12 Theory	Physical Sciences	4
	CC-12 Practical	Physical Sciences Practical	2
	DSE -1 Theory	DSE -1 Theory	4
	DSE -1 Practical	DSE -1 Practical	2
	DSE -2 Theory	DSE -2 Theory	4
	DSE -2 Practical	DSE -2 Practical	2



## B.SC. (HONS) HOME SCIENCE

Contd...

VI	CC-13 Theory	Research Methodology in Home Science	4
	CC-13 Practical	Research Methodology in Home Science Practical	2
	CC-14 Theory	Socio Economic Environment	4
	CC-14 Practical	Socio Economic Environment Practical	2
	DSE -3 Theory	DSE -3 Theory	4
	DSE -3 Practical	DSE -3 Practical	2
	DSE -4 Theory	DSE -4 Theory	4
	DSE -4 Practical	DSE -4 Practical	2
		<b>Total</b>	<b>140</b>

**\*Any 4 DSE, 2 SEC AND 4 GE to be picked up by the student from the pool.**

## **Home Science in B.Sc. (Prog.)**

### **CORE COURSES (12 Courses) Total Credits 72**

**(6 Credits each Theory 4 Credits +Practical 2 Credits =6)**

**CC1: Communication and Extension** Theory 4 Credits +Practical 2 Credit

**CC 2: Resource Management** Theory 4 Credits +Practical 2 Credit

**CC 3: Fashion Studies** Theory 4 Credits +Practical 2 Credit

**CC 4: Fundamentals of Nutrition and Food Science** Theory 4 Credits +Practical 2 Credit

**CC 5: Life Span Development I** Theory 4 Credits +Practical 2 Credit

**CC 6 : Fundamentals of Textiles** Theory 4 Credits +Practical 2 Credit

**CC 7: Physical Sciences** Theory 4 Credits +Practical 2 Credit

**CC 8: Life Span Development II** Theory 4 Credits +Practical 2 Credit

**CC 9: Nutrition for the Family** Theory 4 Credits +Practical 2 Credit

**CC 10: Life Sciences** Theory 4 Credits +Practical 2 Credit

**CC 11 : Personal Finance and Consumer Studies** Theory 4 Credits +Practical 2 Credit

**CC 12 : Communication Systems and Social Change** Theory 4 Credits +Practical 2 Credit

### **DISCIPLINE SPECIFIC ELECTIVE (6 Courses) Total Credits -36**

**(6 Credits Each – Theory 4 Credits +Practical 2 Credits)**

**DSE 1A: Nutritional Biochemistry** Theory 4 Credits +Practical 2 Credit

**DSE-1B: Public Nutrition and Dietetics** Theory 4 Credits +Practical 2 Credit

**DSE 2A : Children with Disabilities** Theory 4 Credits +Practical 2 Credit

**DSE 2B : Child Rights and Gender Empowerment** Theory 4 Credits +Practical 2 Credit

**DSE 3A: Communication for Development** Theory 4 Credits +Practical 2 Credit  
**DSE 3B: Extension Management** Theory 4 Credits +Practical 2 Credit  
**DSE 4A: Processes in Apparel Design** Theory 4 Credits +Practical 2 Credit  
**DSE 4B : Traditional Indian Textiles** Theory 4 Credits +Practical 2 Credit  
**DSE 5A: Entrepreneurship Development** Theory 4 Credits +Practical 2 Credit  
**DSE 5B: Basics of Design Application** Theory 4 Credits +Practical 2 Credit

**SKILL ENHANCEMENT COURSES (4 Courses) Total Credits – 8**  
(2 Credits Each Theory 2 Credits or Theory 1 + Practical 1Credit or Practical's 2 Credits)

**SEC 1: Sociology of Working with Families and Communities** Theory 2 Credit  
**SEC 2: Understanding Psychology** Theory 2 Credit  
**SEC 3 : Overview of Indian Economy** Theory 2 Credit  
**SEC 4: Human Physiology** Theory 2 Credit  
**SEC 5: Bakery Science** Practical 2 Credit  
**SEC-6: Home Based Catering** Theory 2 Credit  
**SEC 7: Nutrition and Fitness** Theory 2 Credit  
**SEC 8: Early Childhood Care and Education** Practical 2 Credit  
**SEC 9: Adolescents' Relations and Well-Being** Practical 2 Credit  
**SEC 10: Training for Development** Practical 2 Credit  
**SEC 11: Advocacy and Behavior Change Communication** Practical 2 Credit  
**SEC 12: Textile Design** Practical 2 Credit  
**SEC 13: Computer Applications in Fashion Design** Practical 2 Credit  
**SEC 14: Resource Management and Sustainable Development** Practical 2 Credit  
**SEC 15: Autocad and Space Planning** Practical 2 Credit  
**SEC 16: Social Media and Digital Communication** Practical 2 Credit  
**SEC 17: Basics of Design** Practical 2 Credit  
**SEC 18: Computer Applications in Communication and Media Design** Practical 2 credits  
**SEC 19: Information, Education and Communication Material for Development** Practical 2 credits  
**SEC 20: House Keeping** Theory 2 credits  
**SEC 21: Travel and Tourism** Theory 2 credits  
**SEC 22: Nutrition Health Communication** Theory 2 credits  
**SEC 23: Biophysics** Theory 2 credits  
**SEC 24: Life Skills Education** Theory 2 credits  
**SEC 25: Activities and Resources for Child Development – I** Practical 2 credits  
**SEC 26: Activities and Resources for Child Development II** Practical 2 credits  
**SEC 27: Product Development in Textiles and Apparel** Practical 2 credits  
**SEC 28: Image Styling** Practical 2 credits  
**SEC 29: Fashion Illustration** Practical 2 credits  
**SEC 30: NGO Management & CSR** Theory 2 credits

**Total Credits 72 Core + 36 DSE + 8 SEC + 4 AECC = 120 Credits**

## Home Science in B.A. (Prog.)

Category of Paper	Name of Papers	Theory Credits	Practical/ Tutorial Credits
Discipline Specific Course (DSC)	1. <b>Fundamentals of Food Science &amp; Technology Part I</b>	4	2
	2. <b>Fundamentals of Food Science &amp; Technology Part II</b>	4	2
	3. <b>Basic Baking Technology</b>	4	2
	4. <b>Introduction to Food Safety &amp; Preservation</b>	4	2
Discipline Specific Elective (DSE)	1. <b>Advanced Baking Technology</b>	4	2
	2. <b>Advanced Foods &amp; Vegetables Preservation Technology</b>	4	2
	3. <b>Food Safety, Hygiene &amp; Quality Testing</b>	4	2
	4. <b>Project / Dissertation</b>		6
Skill Enhancement Course (SEC)	1. <b>Food Product Development</b>		2
	2. <b>Entrepreneurship Development</b>	2	
	3. <b>Confectionary Technology</b>		2
	4. <b>Nutrition &amp; Wellbeing</b>		2
	5. <b>Milk &amp; Milk Product Technology</b>		2
	6. <b>Home Based Catering</b>	2	
Generic Electives (GE)	1. <b>Baking Technology</b>	4	2
	2. <b>Fruit &amp; Vegetable Preservation Technology</b>	4	2

SEMESTER	CORE COURSE (12)	ABILITY ENHANCEMENT COMPULSORY COURSE (AECC) (2)	SKILL ENHANCEMENT COURSE (SEC) (2)	DISCIPLINE SPECIFIC ELECTIVE DSE (4)	GENERIC ELECTIVE (GE) (4)
I	English/ MIL-1	English/MIL Communication / Environmental Science			
	DSC-FT -1A: Fundamentals of Food Science Technology Part -I (Theory + Practical)				
	DSC-2A				
II	MIL/English-1	Environmental Science/ English/MIL Communication			
	DSC-FT-1B: Fundamentals of Food Science Technology Part -II (Theory + Practical )				
	DSC-2B				
III	English/ MIL-2		SEC-1		
	DSC-FT-1C: Basic Baking Technology (Theory + Practical)				
	DSC-2C				
IV	MIL/English-2		SEC-2		
	DSC-FT-1D: Introduction to Food Safety and Preservation (Theory + Practical)				

	DSC-2D				
V			SEC-3	DSE-1 A	GE-1
				DSE-2 A	
VI			SEC-4	DSE-1 B	GE-2
				DSE-2 B	

**ELECTIVE: DISCIPLINE SPECIFIC DSE (Any 2) (1 in Sem V and 1 in Sem VI):**  
**CREDITS – 6 (4 Period Theory and 4 Period Practical per Week)**

- DSE-FT 1: Advanced Baking Technology (Theory + Practical)
- DSE-FT 2: Advanced Fruit and Vegetable Preservation Technology (Theory + Practical)
- DSE-FT 3: Food Safety, Hygiene and Quality Testing (Theory + Practical)
- DSE-FT 4: Project/Dissertation (6<sup>th</sup> Semester)

**SKILL ENHANCEMENT ELECTIVE COURSE**

**CREDITS – 2 (2 Period Theory or 4 Period Practical per Week)**

- SEC-1: Food Product Development\*
- SEC-2: Entrepreneurship Development\*
- SEC-3: Confectionary Technology\*
- SEC-4: Nutrition and Wellbeing
- SEC-5: Milk and Milk Product Technology
- SEC-6: Home Based Catering\*\*
- \*Picked from B.Sc. (Hons) Food Technology revised course under CBCS
- \*\* Picked from B.Sc. (Prog.) Home Science revised course under CBCS

**ELECTIVE: GENERIC (GE)**

**CREDITS – 6 (4 Period Theory and 4 Period Practical per Week)**

- GE-FT-1: Baking Technology
- GE-FT-2: Fruit and Vegetable Preservation Technology

# B.Sc. (Hons.) Physics

**Core Papers (C): (Credit: 06 each)** (1 period/week for tutorials or 4 periods/week for practical)

1. Mathematical Physics-I (4 + 4)
2. Mechanics (4 + 4)
3. Electricity and Magnetism (4 + 4)
4. Waves and Optics (4 + 4)
5. Mathematical Physics-II (4 + 4)
6. Thermal Physics (4 + 4)
7. Digital Systems and Applications(4 + 4)
8. Mathematical Physics III (4 + 4)
9. Elements of Modern Physics (4 + 4)
10. Analog Systems and Applications (4 + 4)
11. Quantum Mechanics and Applications (4 + 4)
12. Solid State Physics (4 + 4)
13. Electromagnetic Theory (4 + 4)
14. Statistical Mechanics (4 + 4)

**Discipline Specific Elective Papers: (Credit: 06 each) - DSE 1-4**

**(4 papers to be selected: 02 each for Odd semester and Even semester as listed below)**

**Odd semester:**

1. Experimental Techniques (4) + Lab (4)
2. Advanced Mathematical Physics (4) + Lab (4)
3. Embedded systems- Introduction to Microcontroller (4) + Lab (4)
4. Nuclear and Particle Physics (5) + Tutorial (1)
5. Physics of Devices and Communication (4) + Lab (4)
6. Astronomy and Astrophysics (5) + Tutorial (1)
7. Atmospheric Physics (4) + Lab (4)
8. Biological physics (5) + Tutorial (1)

**Even Semester:**

9. Advanced Mathematical Physics-II (5) + Tutorial (1)
10. Communication System (4) + Lab (1)
11. Applied Dynamics (4) + Lab (4)
12. Verilog and FPGA based system design (4) + Lab (4)
13. Classical Dynamics (5) + Tutorial (1)
14. Digital Signal processing (4) + Lab (4)
15. Nano Materials and Applications(4) + Lab (4)
16. Physics of the Earth (5) + Tutorial (1)
17. Medical Physics (4) + Lab (4)
18. Dissertation

**Skill Enhancement Courses (02 to 04 papers) (Credit: 02 each)- SEC1 to SEC4**

1. Physics Workshop Skills
2. Computational Physics Skills
3. Electrical circuits and Network Skills

4. Basic Instrumentation Skills
  5. Renewable Energy and Energy harvesting
  6. Technical Drawing
  7. Radiation Safety
  8. Applied Optics
  9. Weather Forecasting
- 

**Generic Elective Papers (GE) (Minor-Physics) for other Departments/Disciplines:  
(Credit: 06 each)**

**Odd Semesters (1<sup>st</sup> and 3<sup>rd</sup> semesters)**

1. Electricity and Magnetism (4) + Lab (4)
2. Mathematical Physics(4) + Lab (4)
3. Digital, Analog and Instrumentation(4) + Lab (4)
4. Applied Dynamics (4) + Lab (4)
5. Medical Physics (4) + Lab (4)
6. Waves and Optics (4) + Lab (4)
7. Quantum Mechanics (4) + Lab (4)\*
8. Communication System (4) + Lab (4)\*
9. Verilog and FPGA based system design (4) + Lab (4)\*
10. Nano Materials and Applications(4) + Lab (4)\*

\*Not offered in 1<sup>st</sup> semester.

**Even semesters (2<sup>nd</sup> and 4<sup>th</sup> semesters)**

11. Mechanics (4) + Lab (4)
12. Elements of Modern Physics (4) + Lab (4)
13. Solid State Physics (4) + Lab (4)
14. Embedded System: Introduction to microcontroller(4) + Lab (4)
15. Biological physics (5) + Tutorials (1)
16. Thermal Physics (4) + Lab (4)
17. Digital Signal processing (4) + Lab (4)
18. Nuclear and Particle Physics (5) + Tut (1)\*\*
19. Astronomy and Astrophysics (5) + Tutorials (1)\*\*
20. Atmospheric Physics (4) + Lab (4)\*\*
21. Physics of the Earth (5) + Tutorials (1)\*\*

\*\*Not offered in 2<sup>nd</sup> semester.



# Physics in B.Sc. Programme

\*Wherever there is a practical there will be no tutorial & vice-versa. The size of group for practical papers is recommended to be maximum of 12 to 15 students.

## scheme for CBCS in B. Sc. Program with Physics as one subject

Semester	CORE COURSE (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC)(2)	Discipline Specific Elective DSE (6)
I	Mechanics	(English/MIL Communication)/ Environmental Sc.		
	DSC- 2 A			
	DSC- 3 A			
II	Electricity, Magnetism & EMT	Environmental Science /(English/MIL Communication)		
	DSC- 2 B			
	DSC- 3 B			
III	Thermal Physics and Statistical Mechanics		SEC-1	
	DSC- 2 C			
	DSC- 3 C			
IV	Waves and Optics		SEC -2	
	DSC- 2 D			
	DSC- 3 D			
V			SEC -3	DSE-1 A
				DSE-2 A
				DSE-3 A
VI			SEC -4	DSE-1 B
				DSE-2 B
				DSE-3 B

## B. Sc. Program with Physics as one subject

Semester	COURSE OPTED	COURSE NAME	Credits
I	Ability Enhancement Compulsory Course-I	English communications/ Environmental Science	2
	Core course-I	Mechanics	4
	Core Course-I Practical/Tutorial*	Mechanics Lab	2
	Core course-II	DSC 2A	6
	Core Course-III	DSC 3A	6
II	Ability Enhancement Compulsory Course-II	English communications/ Environmental Science	2
	Core course-IV	Electricity, Magnetism and EMT	4
	Core Course-IV Practical/Tutorial*	Electricity, Magnetism & EMT Lab	2
	Core course-V	DSC 2B	6
	Core Course-VI	DSC 3B	6
III	Core course-VII	Thermal Physics & Statistical Mechanics	4
	Core Course-VII	Thermal Physics and Statistical	2

	Practical/Tutorial	Mechanics Lab	
	Core course-VIII	DSC 2C	6
	Core Course-IX	DSC 3C	6
	Skill Enhancement Course -1	SEC-1	2
IV	Core course-X	Waves and Optics	4
	Course-X Practical/Tutorial	Waves and Optics Lab	2
	Core course-XI	DSC 2D	6
	Core course-XII	DSC 3D	6
	Skill Enhancement Course -2	SEC -2	2
V	Skill Enhancement Course -3	SEC -3	2
	Discipline Specific Elective -1	DSE-1A (Subject 1: Physics)	6
	Discipline Specific Elective -2	DSE-2A (Subject 2)	6
	Discipline Specific Elective -3	DSE-3A (Subject 3)	6
VI	Skill Enhancement Course -4	SEC -4	2
	Discipline Specific Elective -4	DSE-1B (Subject 1: Physics)	6
	Discipline Specific Elective -5	DSE-2B (Subject 2)	6
	Discipline Specific Elective-6	DSE-3B (Subject 3)	6
<b>Total Credits</b>			<b>120</b>

\*Wherever there is a practical there will be no tutorial and vice-versa. The size of group for practical papers is recommended to be maximum of 12 to 15 students.

## B.Sc. Program with Physics as one subject

Core papers Physics (Credit: 06 each)(CP 1-4):

1. Mechanics (4) + Lab (4)
2. Electricity and Magnetism (4) + Lab (4)
3. Thermal Physics and Statistical Mechanics(4) + Lab (4)
4. Waves and Optics (4) + Lab (4)

Discipline Specific (Physics) Elective papers (Credit: 06 each)

(DSE 1, DSE 2): Choose 2 (one for each semester)

Odd Semester: (Choose any one)

1. Digital, Analog and Instrumentation(4) + Lab (4)
2. Elements of Modern Physics (4) + Lab (4)
3. Mathematical Physics(4) + Lab (4)
4. Nano Materials and Applications(4) + Lab (4)
5. Communication System (4) + Lab (4)
6. Verilog and FPGA based system design (4) + Lab (4)
7. Medical Physics (4) + Lab (4)
8. Applied Dynamics (4) + Lab (4)

Even Semester: (Choose any one)

9. Solid State Physics (4) + Lab (4)
10. Embedded System: Introduction to microcontroller(4) + Lab (4)
11. Nuclear and Particle Physics (5) + Tut (1)
12. Quantum Mechanics (4) + Lab (4)
13. Digital Signal processing (4) + Lab (4)

14. Astronomy and Astrophysics (5) + Tutorials (1)
15. Atmospheric Physics (4) + Lab (4)
16. Physics of the Earth (5) + Tutorials (1)
17. Biological physics (5) + Tutorials (1)
18. Dissertation

**Skill Enhancement Course (any four) (Credit: 02 each)- SEC 1 to SEC 4**

1. Physics Workshop Skills
2. Computational Physics Skills
3. Electrical circuit network Skills
4. Basic Instrumentation Skills
5. Renewable Energy and Energy harvesting
6. Mechanical Drawing
7. Radiation Safety
8. Applied Optics
9. Weather Forecasting

## B.Sc. (Hons.) Polymer Science

### SEMESTER I

Paper Code	Name of paper	Lecture	Practical	Credit	Marks (T+P)
C-101	Introduction to Polymer Science	4	4	6	100+50
C-102	Raw Materials of Polymers	4	4	6	100+50
AECC1	English/MIL Communication or EVS	2	-	2	50
GE1	Generic Elective	4	4	6	100+50

### SEMESTER II

Paper Code	Name of paper	Lecture	Practical	Credit	Marks (T+P)
C-201	Polymer Technology	4	4	6	100+50
C-202	Unit Operations	4	4	6	100+50
AECC2	English/MIL Communication or EVS	2	Or 4	2	50
GE2	Generic Elective	4	4	6	100+50

### SEMESTER III

Paper Code	Name of paper	Lecture	Practical	Credit	Marks (T+P)
C-301	Polymer Rheology	4	4	6	100+50
C-302	Polymer Additives	4	4	6	100+50
C-303	Polymer Degradation	4	4	6	100+50
SEC1	Skill Enhancement Course	2	-	2	50
GE3	Generic Elective	4	4	6	100+50

### SEMESTER IV

Paper Code	Name of paper	Lecture	Practical	Credit	Marks (T+P)
C-401	Polymer Processing & Mold Design	4	4	6	100+50
C-402	Polymer Testing	4	4	6	100+50
C-403	Recycling and Waste Management	4	4	6	100+50
SEC2	Skill Enhancement Course	2	Or 4-	2	50
GE4	Generic Elective	4	4	6	100+50

**SEMESTER V**

Paper Code	Name of paper	Lecture	Practical	Credit	Marks (T+P)
C-501	Polymer Characterization	4	4	6	100+50
C-502	Specialty Polymers	4	4	6	100+50
DSE1	Discipline Specific Elective	4	4	6	100+50
DSE2	Discipline Specific Elective	4	4	6	100+50

**SEMESTER VI**

Paper Code	Name of paper	Lecture	Practical	Credit	Marks (T+P)
C-601	Polymer Blends and Composites	4	4	6	100+50
C-602	Fibre Science and Rubber Technology	4	4	6	100+50
DSE3	Discipline Specific Elective	4	4	6	100+50
DSE4	Discipline Specific Elective	4	4	6	100+50

C: Core Courses; GE: Generic Elective; AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective

**Generic Elective Papers (GE) (Minor-Polymer Science) (any four) for other Departments/Disciplines: (Credit: 06 each)**

GE: Paper 1- Basics of Polymer Science

GE: Paper 2- Chemistry of Polymers

GE: Paper 3- Polymer Testing and Characterization

GE: Paper 4- Polymer Modifiers and Waste Management

GE: Paper 5- Product Manufacturing and Processing

GE: Paper 6- Material Sciences

GE: Paper 7- Biomedical Applications of Polymers

GE: Paper 8- Fibres and Rubbers

**SEC 1-2: Skill Enhancement Courses (any one per semester in semesters 3-4)**

SEC: Paper 1- Biopolymers

SEC: Paper 2- Estimation of Polymers and Polymeric Compounds

SEC: Paper 3- Wire and Cable Technology

SEC: Paper 4- Footwear Technology

**DSE 1-4: Discipline Specific Elective (any two per semester in semesters 5-6)**

DSE: Paper 1- Conducting Polymer

DSE: Paper 2- Fibre Manufacturing Technology

DSE: Paper 3- Paints, Coatings and adhesive

DSE: Paper 4- Polymeric Nanomaterials

DSE: Paper 5- Tyre Technology

DSE: Paper 6- Packaging Technology

DSE: Paper 7- Fabrication of Polymeric products

DSE: Paper 8- Polymer in Biomedical Applications

\*(Wherever wet lab experiments are not possible the principles and concepts can be demonstrated through any other material or medium including videos/virtual labs etc.)

**SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.Sc. MICROBIOLOGY HONOURS**

Semester	CORE COURSE(14)	Ability Enhancement Compulsory Course (2)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DCE (4)	GENERIC ELECTIVE: (GE) (4)
I	Introduction to Microbiology and Microbial Diversity	English communication			GE-1
	Bacteriology				
II	Biochemistry	Environmental Science			GE-2
	Virology				
III	Microbial Physiology and Metabolism		SEC -1		GE-3
	Cell Biology				
	Molecular Biology				
IV	Microbial Genetics and Genomics		SEC -2		GE-4
	Environmental Microbiology				
	Food and Dairy Microbiology				
V	Industrial Microbiology			DSE-1	
	Immunology			DSE-2	
VI	Medical Microbiology			DSE -3	
	Recombinant DNA Technology			DSE-4	

SEMESTER	COURSE OPTED	COURSE NAME	Credits
I	Ability Enhancement Compulsory Course-I	English communications/ Environmental Science	2
	Core course-I	Introduction to Microbiology and Microbial Diversity	4
	Core Course-I Practical	Introduction to Microbiology and Microbial Diversity	2
	Core course-II	Bacteriology	4

	<b>Core Course-II Practical</b>	Bacteriology	2
	<b>Generic Elective -1</b>	GE-1	4
	<b>Generic Elective -1 Practical</b>	GE-1	2
<b>II</b>	<b>Ability Enhancement Compulsory Course-II</b>	English communications/ Environmental Science	2
	<b>Core course-III</b>	Biochemistry	4
	<b>Core Course-III Practical</b>	Biochemistry	2
	<b>Core course-IV</b>	Virology	4
	<b>Core Course-IV Practical</b>	Virology	2
	<b>Generic Elective -2</b>	GE-2	4
	<b>Generic Elective -2 Practical</b>	GE-2	2
	<b>III</b>	<b>Core course-V</b>	Microbial Physiology and Metabolism
<b>Core Course-V Practical</b>		Microbial Physiology and Metabolism	2
<b>Core course-VI</b>		Cell Biology	4
<b>Core Course-VI Practical</b>		Cell Biology	2
<b>Core course-VII</b>		Molecular Biology	4
<b>Core Course-VII Practical</b>		Molecular Biology	2
<b>Skill Enhancement Course-1</b>		SEC-1	2
<b>Generic Elective -3</b>		GE-3	4
<b>Generic Elective -3 Practical</b>		GE-3	2
<b>IV</b>	<b>Core course-VIII</b>	Microbial Genetics and Genomics	4
	<b>Course-VIII Practical</b>	Microbial Genetics and Genomics	2
	<b>Core course-IX</b>	Environmental Microbiology	4
	<b>Course-IX Practical</b>	Environmental Microbiology	2
	<b>Core course-X</b>	Food and Dairy Microbiology	4
	<b>Core Course- X Practical</b>	Food and Dairy Microbiology	2
	<b>Skill Enhancement Course-2</b>	SEC-2	2
	<b>Generic Elective -4</b>	GE-4	4
	<b>Generic Elective - 4 Practical</b>	GE-4	2
	<b>V</b>	<b>Core course-XI</b>	Industrial Microbiology



	<b>Core Course-XI Practical</b>	Industrial Microbiology	2
	<b>Core course-XII</b>	Immunology	4
	<b>Core Course-XII Practical</b>	Immunology	2
	<b>Discipline Specific Elective -1</b>	DSE-1	4
	<b>Discipline Specific Elective -1 Practical</b>	DSE-1	2
	<b>Discipline Specific Elective -2</b>	DSE-2	4
	<b>Discipline Specific Elective- 2 Practical</b>	DSE-2	2
<b>VI</b>	<b>Core course-XIII</b>	Medical Microbiology	4
	<b>Core Course-XIII Practical</b>	Medical Microbiology	2
	<b>Core course-XIV</b>	Recombinant DNA Technology	4
	<b>Core Course-XIV Practical</b>	Recombinant DNA Technology	2
	<b>Discipline Centric Elective -3</b>	DSE-3	4
	<b>Discipline Centric Elective -3 Practical</b>	DSE-3	2
	<b>Discipline Centric Elective-4</b>	DSE-4	4
	<b>Discipline Centric Elective -1 Practical</b>	DSE-4	2
			<b>Total: 140</b>

## Structure of B. Sc. Honours Microbiology under CBCS

### Core Courses

- C-1: Introduction to Microbiology and Microbial Diversity
- C-2: Bacteriology
- C-3: Biochemistry
- C-4: Virology
- C-5: Microbial Physiology and Metabolism
- C-6: Cell Biology
- C-7: Molecular Biology
- C-8: Microbial Genetics and Genomics
- C-9: Environmental Microbiology
- C-10: Food and Dairy Microbiology
- C-11: Industrial Microbiology
- C-12: Immunology
- C-13: Medical Microbiology
- C-14: Recombinant DNA Technology

### Discipline Centric Elective (Four)

Semester – V (Any Two)	DSE-1: Bioinformatics, DSE-2: Plant Pathology, DSE-3: Inheritance Biology DSE-4: Biomathematics and Biostatistics
Semester – VI (Any Two)	DSE-5: Microbial Biotechnology, DSE-6: Advances in Microbiology, DSE-7: Instrumentation and Biotechniques, DSE-8: Biosafety and Intellectual Property Rights (IPR), DSE-9: Project Work

### Generic Electives (Four) Offered to the students of other Departments

Semester – I	GE-1: Introduction and Scope of Microbiology
Semester – II	GE-2: Bacteriology and Virology
Semester – III (Any One)	GE-3: Microbial Metabolism GE-4: Microbial Genetics and Molecular Biology
Semester-IV (Any One)	GE-5: Industrial and Food Microbiology GE-6: Microbes in Environment GE-7: Medical Microbiology and Immunology GE-8: Genetic Engineering and Biotechnology

### Ability Enhancement Compulsory Courses

- AE-1: Environmental Sciences
- AE-2: English/MIL Communication

### Skill Enhancement Elective Courses (Any Two)

- SE-1: Microbial Quality Control in Food and Pharmaceutical Industries
- SE-2: Microbial Diagnosis in Health Clinics
- SE-3: Biofertilizers and Biopesticides
- SE-4: Food Fermentation Techniques
- SE-5: Management of Human Microbial Diseases
- SE-6: Microbiological Analysis of Air and Water
- SE-7: Fundamentals of Bioinformatics

## SEMESTER-WISE SCHEDULE FOR B.Sc. (HONOURS) ELECTRONIC SCIENCE

Semester	Course Opted	Course Name	Credits
I	Ability Enhancement Compulsory Course-I	English/MIL communications/ Environmental Science	2
	Core course-I	Basic Circuit Theory and Network Analysis	4
	Core Course-I Practical/Tutorial	Basic Circuit Theory and Network Analysis Lab	2
	Core course-II	Mathematics Foundation for Electronics	4
	Core Course-II Practical/Tutorial	Mathematics Foundation for Electronics Lab	2
	Generic Elective -1	GE-1	4/5
	Generic Elective -1 Practical/Tutorial		2/1
II	Ability Enhancement Compulsory Course-II	English/MIL communications/ Environmental Science	2
	Core course-III	Semiconductor Devices	4
	Core Course-III Practical/Tutorial	Semiconductor Devices Lab	2
	Core course-IV	Applied Physics	4
	Core Course-IV Practical/Tutorial	Applied Physics Lab	2
	Generic Elective -2	GE-2	4/5
	Generic Elective -2 Practical/Tutorial		2/1
III	Core course-V	Electronic Circuits	4
	Core Course-V Practical/Tutorial	Electronic Circuits Lab	2
	Core course-VI	Digital Electronics and VHDL	4
	Core Course-VI Practical/Tutorial	Digital Electronics and VHDL Lab	2
	Core course-VII	C Programming and Data Structures	4
	Core Course-VII Practical/Tutorial	C Programming and Data Structures Lab	2
	Skill Enhancement Course-1	SEC-1	2
	Generic Elective -3	GE-3	4/5
	Generic Elective -3 Practical/Tutorial		2/1
IV	Core course-VIII	Operational Amplifiers and Applications	4
	Core Course-VIII Practical/Tutorial	Operational Amplifiers and Applications Lab	2
	Core course-IX	Signals and Systems	4
	Core Course-IX Practical/Tutorial	Signals and Systems Lab	2
	Core course-X	Electronic Instrumentation	4
	Core Course-X Practical/Tutorial	Electronic Instrumentation Lab	2
	Skill Enhancement Course-2	SEC-2	2
	Generic Elective -4	GE-4	4/5
	Generic Elective -4 Practical/Tutorial		2/1

V	Core course-XI	Microprocessors and Microcontrollers	4
	Core Course-XI Practical/Tutorial	Microprocessors and Microcontrollers Lab	2
	Core course-XII	Electromagnetics	4
	Core Course-XII Practical/Tutorial	Electromagnetics Lab	2
	Discipline Specific Elective-1	DSE-1	4
	Discipline Specific Elective-1 Practical/Tutorial	DSE-1 Lab	2
	Discipline Specific Elective-2	DSE-2	4
	Discipline Specific Elective-2 Practical/Tutorial	DSE-2 Lab	2
VI	Core course-XIII	Communication Electronics	4
	Core Course-XIII Practical/Tutorial	Communication Electronics Lab	2
	Core course-XIV	Photonics	4
	Core Course-XIV Practical/Tutorial	Photonics Lab	2
	Discipline Specific Elective-3	DSE-3	4
	Discipline Specific Elective-3 Practical/Tutorial	DSE-3 Lab	2
	Discipline Specific Elective-4	DSE-4	4
	Discipline Specific Elective-4 Practical/Tutorial	DSE-4 Lab	2
<b>Total Credits</b>			<b>140</b>

**CORE COURSE(C): (Credit: 06 each)** (1 period/week for tutorials or 4 periods/week for practical)

1. Basic Circuit Theory and Network Analysis (4+4)
2. Mathematics Foundation for Electronics (4+4)
3. Semiconductor Devices (4+4)
4. Applied Physics (4+4)
5. Electronic Circuits (4+4)
6. Digital Electronics and VHDL (4+4)
7. C Programming and Data Structures (4+4)
8. Operational Amplifiers and Applications (4+4)
9. Signals and Systems (4+4)
10. Electronic Instrumentation (4+4)
11. Microprocessors and Microcontrollers (4+4)
12. Electromagnetics (4+4)
13. Communication Electronics (4+4)
14. Photonics (4+4)

**Discipline Specific Electives (DSE): (Credit: 06 each) (4 papers to be selected) - DSE 1-4**

1. Power Electronics (4+4)
2. Numerical Analysis (4+4)
3. Modern Communication Systems (4+4)
4. Semiconductor Fabrication and Characterization (4+4)
5. Electrical Machines (4+4)
6. Basic VLSI Design (4+4)

7. Digital Signal Processing (4+4)
8. Control Systems (4+4)
9. Computer Networks (4+4)
10. Embedded Systems (4+4)
11. Biomedical Instrumentation (4+4)
12. Transmission Lines, Antenna and Wave Propagation (4+4)
13. Dissertation (4+4)

**Skill Enhancement Course (SEC) (02 papers) (Credit: 02 each) - SEC1 to SEC2**

1. Design and Fabrication of Printed Circuit Boards (4)
2. Robotics (4)
3. Mobile Applications Development (4)
4. Internet Technologies (4)
5. Programming with LabVIEW (4)

**Other Discipline - GE 1 to GE 4**

1. Mathematics
2. Computer Science
3. Physics
4. Biomedical Science
5. Chemistry
6. Commerce

Any other discipline of Choice

**Generic Elective Papers (GE) for other Departments/Disciplines: (Credit: 06 each)**

1. Electronic Circuits and PCB Designing (4+4)
2. Digital System Design (4+4)
3. Instrumentation (4+4)
4. Practical Electronics (4+4)
5. Communication Systems (4+4)
6. Microprocessor and Microcontroller Systems (4+4)
7. Consumer Electronics (4+4)

**Important:**

1. The size of the practical group for practical papers is recommended to be 12-15 students.

## SEMESTER-WISE SCHEDULE FOR B.Sc. (HONOURS) INSTRUMENTATION

Semester	Course Opted	Course Name	Credits
I	Ability Enhancement Compulsory Course-I	English/MIL communications/ Environmental Science	2
	Core course-I	Basic Circuit Theory and Network Analysis	4
	Core Course-I Practical/Tutorial	Basic Circuit Theory and Network Analysis Lab	2
	Core course-II	Applied Physics	4
	Core Course-II Practical/Tutorial	Applied Physics Lab	2
	Generic Elective -1	GE-1	4/5
	Generic Elective -1 Practical/Tutorial		2/1
II	Ability Enhancement Compulsory Course-II	English/MIL communications/ Environmental Science	2
	Core course-III	Analog Devices	4
	Core Course-III Practical/Tutorial	Analog Devices Lab	2
	Core course-IV	Transducers and Sensors	4
	Core Course-IV Practical/Tutorial	Transducers and Sensors Lab	2
	Generic Elective -2	GE-2	4/5
	Generic Elective -2 Practical/Tutorial		2/1
III	Core course-V	Biomedical Instrumentation	4
	Core Course-V Practical/Tutorial	Biomedical Instrumentation Lab	2
	Core course-VI	Digital Electronics and Verilog	4
	Core Course-VI Practical/Tutorial	Digital Electronics and Verilog Lab	2
	Core course-VII	Engineering Mathematics	4
	Core Course-VII Practical/Tutorial	Engineering Mathematics Lab	2
	Skill Enhancement Course-1	SEC-1	2
	Generic Elective -3	GE-3	4/5
Generic Elective -3 Practical/Tutorial		2/1	
IV	Core course-VIII	Operational Amplifiers and Applications	4
	Core Course-VIII Practical/Tutorial	Operational Amplifiers and Applications Lab	2
	Core course-IX	Analytical Instrumentation	4
	Core Course-IX Practical/Tutorial	Analytical Instrumentation Lab	2
	Core course-X	Electronic Instrumentation	4
	Core Course-X Practical/Tutorial	Electronic Instrumentation Lab	2
	Skill Enhancement Course-2	SEC-2	2
	Generic Elective -4	GE-4	4/5
Generic Elective -4 Practical/Tutorial		2/1	

V	Core course-XI	Measurement Technology	4
	Core Course-XI Practical/Tutorial	Measurement Technology Lab	2
	Core course-XII	Microprocessor	4
	Core Course-XII Practical/Tutorial	Microprocessor Lab	2
	Discipline Specific Elective-1	DSE-1	4
	Discipline Specific Elective-1 Practical/Tutorial	DSE-1 Lab	2
	Discipline Specific Elective-2	DSE-2	4
	Discipline Specific Elective-2 Practical/Tutorial	DSE-2 Lab	2
VI	Core course-XIII	Power Electronics	4
	Core Course-XIII Practical/Tutorial	Power Electronics Lab	2
	Core course-XIV	Control Systems	4
	Core Course-XIV Practical/Tutorial	Control Systems Lab	2
	Discipline Specific Elective-3	DSE-3	4
	Discipline Specific Elective-3 Practical/Tutorial	DSE-3 Lab	2
	Discipline Specific Elective-4	DSE-4	4
	Discipline Specific Elective-4 Practical/Tutorial	DSE-4 Lab	2
<b>Total Credits</b>			<b>140</b>

**CORE COURSE(C): (Credit: 06 each)** (1 period/week for tutorials or 4 periods/week for practical)

1. Basic Circuit Theory and Network Analysis (4+4)
2. Applied Physics (4+4)
3. Analog Devices and Circuits (4+4)
4. Transducers and Sensors (4+4)
5. Biomedical Instrumentation (4+4)
6. Digital Electronics and Verilog (4+4)
7. Engineering Mathematics (4+4)
8. Operational Amplifiers and Applications (4+4)
9. Analytical Instrumentation (4+4)
10. Electronic Instrumentation (4+4)
11. Measurement Technology (4+4)
12. Microprocessors (4+4)
13. Power Electronics (4+4)
14. Control Systems (4+4)

**Discipline Specific Electives (DSE): (Credit: 06 each)** (4 papers to be selected) - DSE 1-4

1. Concepts of Chemistry (4+4)
2. Signal and Systems (4+4)
3. Advanced Analytical Instrumentation (4+4)
4. Communication System (4+4)
5. Advanced Biomedical Instrumentation (4+4)
6. Embedded System and Robotics (4+4)

7. Process Control Dynamics (4+4)
8. Reliability and Quality Control Techniques (4+4)
9. Dissertation (4+4)

**Skill Enhancement Course (SEC) (02 papers) (Credit: 02 each) - SEC1 to SEC2**

1. Programming in C (4)
2. VLSI Design and Verification (4)
3. Testing and Calibration (4)
4. PLC and SCADA (4)
5. Virtual Instrumentation (4)
6. Programming using MATLAB (4)

**Other Discipline - GE 1 to GE 4**

1. Mathematics
2. Computer Science
3. Physics
4. Biomedical Science
5. Chemistry
6. Electronics
7. Commerce

Any other discipline of Choice

**Generic Elective Papers (GE) (Minor-Instrumentation) (any four) for other Departments/Disciplines: (Credit: 06 each)**

1. Sensors and Actuators (4+4)
2. Electro-Mechanical Instruments(4+4)
3. Instrumentation & Control (4+4)
4. Analytical Instrumentation (4+4)
5. Nuclear & Biomedical Instrumentation (4+4)
6. Machine Intelligence (4+4)

**Important:**

1. The size of the practical group for practical papers is recommended to be 12-15 students.



**BUDDHIST STUDIES**  
**SYLLABUS FOR B.A. BUDDHIST STUDIES DISCIPLINE COURSE**

Code No. of Paper	Title of Paper	Theory	Internal Assessment	Credit
BS-CBCS-501	Theravada Buddhism: It's Beginning and Continuity	75	25	6 (5+1)
BS-CBCS-502	Mahayana Buddhism: It's Continuity and Change	75	25	6 (5+1)
BS-CBCS-503	Buddhist Philosophy and Ethics	75	25	6 (5+1)
BS-CBCS-504	Introduction to Tibetan and Chinese Buddhism	75	25	6 (5+1)
BS-CBCS-505	Buddhist Cultural History and Heritage	75	25	6 (5+1)
BS-CBCS-506	Selected Texts Related to Buddha's Basic Teachings	75	25	6 (5+1)

# Choice Based Credit System, B.Sc. (PEHE&S)

Sem-I				Sem-II			
Code No.	Papers	Hours	Credit	Code No.	Papers	Hours	Credit
DSC-1	Foundation of Physical Education	06 (4+2)	05 (4+1)	DSC-3	Health Education, First Aid & Rehabilitation	06 (4+2)	05 (4+1)
DSC-2	Anatomy & Physiology	06 (4+2)	05 (4+1)	DSC-4	Sports Sociology	06 (4+2)	05 (4+1)
DSCP-1	Body Conditioning (Module-1) General	02 (0+2)	01 (0+1)	DSCP-2	Body Conditioning (Module-2) Sports Specific	02 (0+2)	01 (0+1)
DSE-1	Game of Specialization-1(Major) : Module-1 (Opt any one):- (a) Athletics (b) Aquatics** (c) Badminton (d) Basketball (e) Cricket (f) Football (g) Gymnastic (h) Handball (i) Hockey (j) Judo (k) Kabaddi (l) Kho-Kho (m) Table Tennis** (n) Volleyball (o) Wrestling** (p) Yoga	06 (4+2)	05 (4+1)	DSE-2	Game of Specialization-1(Major) : Module-2 (Game to be the same as in DSE-1):- (a) Athletics (b) Aquatics** (c) Badminton (d) Basketball (e) Cricket (f) Football (g) Gymnastic (h) Handball (i) Hockey (j) Judo (k) Kabaddi (l) Kho-Kho (m) Table Tennis** (n) Volleyball (o) Wrestling** (p) Yoga	06 (4+2)	05 (4+1)
DSE-7	Track & Field (Compulsory)	03 (1+2)	02 (1+1)	DSE-8	Gymnastics (Compulsory)	03 (1+2)	02 (1+1)
AEC-1/2	Ability Enhancement Course (English communication/Environmental Science.)	02 (2+0)	02 (2+0)	AEC-2/1	Environmental/English Communication	02 (2+0)	02 (2+0)
<b>Total</b>		<b>25</b>	<b>20</b>	<b>Total</b>		<b>25</b>	<b>20</b>
Sem-III				Sem-IV			
Code No.	Papers	Hours	Credit	Code No.	Papers	Hours	Credit
DSC-5	Physiology of Exercise	06 (4+2)	05 (4+1)	DSC-7	Test Measurement & Evaluation in Phy. Edu.	06 (4+2)	05 (4+1)
DSC-6	Sports and Exercise Psychology	06 (4+2)	05 (4+1)	DSC-8	Method of Teaching in Physical Education	06 (4+2)	05 (4+1)
DSE-3	Game of Specialization-2(Minor-1) : Module-1 :- (Opt any one other than that selected for DSE-1) :- (a) Athletics (b) Aquatics** (c) Badminton (d) Basketball (e) Cricket (f) Football (g) Gymnastic (h) Handball (i) Hockey (j) Judo (k) Kabaddi (l) Kho-Kho (m) Table Tennis** (n) Volleyball (o) Wrestling** (p) Yoga	06 (4+2)	05 (4+1)	DSCP-4	Body Conditioning (Module-1) Aerobic Activity-2	02 (0+2)	01 (0+1)
DSE-9	Yoga (Compulsory)	03 (1+2)	02 (1+1)	DSE-4	Opt any one from the following (Not more than 50 students in any option)* :- (a) Physical Growth & Development (b) Sports Journalism (c) Balanced Education	03 (1+2)	05 (4+1)
DSCP-3	Body Conditioning (Module-3) Aerobic Activity-1	02 (0+2)	01 (0+1)	DSE-10	Organization and Administration	06 (4+2)	02 (1+1)
SEC-1/2	Hindi/English	02 (2+0)	02 (2+0)	SEC-2/1	English/Hindi	02 (2+0)	02 (2+0)
<b>Total</b>		<b>25</b>	<b>20</b>	<b>Total</b>		<b>25</b>	<b>20</b>

Sem-V			Sem-VI				
Code No.	Papers	Credit	Hours	Code No.	Papers	Credit	Hours
DSC-9	Kinesiology & Biomechanics	05 (4+1)	06 (4+2)	DSC-11	Fundamentals of Sports Training.	05 (4+1)	06 (4+2)
DSC-10	Sports & Exercise Nutrition	05 (4+1)	06 (4+2)	DSC-12	Sports and Exercise Management	05 (4+1)	07 (3+4)
DSE-5	Game of Specialization-3(Minor-2) : Module-1 (Opt anyone other than Games selected for DSE-1 and DSE-3):- (a) Athletics (i) Hockey (b) Aquatics** (j) Judo (c) Badminton (k) Kabaddi (d) Basketball (l) Kho-Kho (e) Cricket (m) Table Tennis** (f) Football (n) Volleyball (g) Gymnastic (o) Wrestling** (h) Handball (p) Yoga	05 (4+1)	07 (3+4)	DSCP-6	Mass Demonstration Activities (Module -2)	01 (0+1)	02 (0+2)
DSCP-5	Mass Demonstration Activities(Module -1)	01 (0+1)	02 (0+2)	DSE-6	Computer Application in Physical Education or Project Report/Dissertation (Dissertation will be allowed only to students who opt for Research Methodology * Statistics paper in Semester-V)	05 (4+1)	06 (4+2)
GEC-1	Opt any one from the following (Not more than 50 students in any option)* :- (a) Sports for All (b) Wholistic Personality Development (c) Research Methodology & Statistics	02 (2+0)	03 (1+2)	GEC-2	Opt any one from the following (Not more than 50 students in any option)* :- (a) Adapted Physical Education (b) Olympic Education (c) Adventure Sports & Leadership Training	02 (2+0)	03 (1+2)
SEC-3	Fitness & Sports Skill Testing	02 (1+1)	03 (1+2)	SEC-4	Opt any one from the following (Not more than 50 students in any option)* :- (a) Wellness Lifestyle (b) Exercise Prescription (c) Sports Industry & Marketing	02 (1+1)	03 (1+2)
<b>Total</b>		<b>20</b>	<b>26</b>	<b>Total</b>		<b>20</b>	<b>27</b>

\* Allotment of option by previous semester/exam merit

\*\* Facilities not available

**Abbreviations:-**

DSC	=	Discipline Specific Core (12)
DSE	=	Discipline Specific Elective (10)
DSCP	=	Discipline Specific Core Practical (6)
SEC	=	Skill Enhancement Course (4)
AEC	=	Ability Enhancement Compulsory Course (2)
GEC	=	Generic Elective Course (02)

## Syllabus for B.A. Programme with Physical & Health Education

(40 Credits Programme)

<b><u>Discipline Specific Core Courses (DSC)</u></b>		<b>24 Credits</b>
<b>SEMESTER-I</b>	<b>SEMESTER-II</b>	
Core Physical Education (DSC-I): Introduction to Physical Education in the Contemporary Context  06 Credits	Core Physical Education (DSC-II): Fitness, Wellness & Nutrition  06 Credits	
+ Other Discipline DSC's (As per students choice)		
<b>SEMESTER-III</b>	<b>SEMESTER-IV</b>	
Core Physical Education (DSC-III): Health Education, Anatomy and Physiology  06 Credits	Core Physical Education (DSC-IV): Posture, Athletic Care and First Aid  06 Credits	
+ Other Discipline DSC's (As per students choice)		
<b><u>Discipline Specific Electives (DSE)</u></b>		<b>12 Credits</b>
<b>SEMESTER-V</b>	<b>SEMESTER-VI</b>	
<b><u>Discipline Specific Electives (DSE-I)</u></b> Opt any one of the Following:- DSE (i) Sports for All DSE (ii) Sports Psychology DSE (iii) Sports Administration & Management  06 Credits each	<b><u>Discipline Specific Electives (DSE-II)</u></b> Opt any one of the Following:- DSE (i) Media and Careers in Physical Education DSE (ii) Balanced Education DSE (iii) Measurement and Evaluation  06 Credits each	
+ Other Discipline DSE's (As per students choice)		
<b><u>Skill Enhancement Courses (SEC)</u></b>		<b>04 Credits</b>
<b>SEMESTER-V</b>	<b>SEMESTER-VI</b>	
<b><u>Skill Enhancement Courses (SEC-I)</u></b> Opt any one of the Following:- SEC (i) Wellness & Fitness SEC (ii) Management of Aerobics & Group Training SEC (iii) Wholistic Personality Development  02 Credits each	<b><u>Skill Enhancement Courses (SEC-II)</u></b> Opt any one of the Following:- SEC (i) Yoga Skills SEC (ii) Sports Journalism SEC (iii) Sports Industry & Marketing  02 Credits each	
+ Other Discipline SEC's (As per students choice)		

**B.A. (Vocational Studies) Human Resource  
Management: Three-Year (6-Semester)**

**CBCS Programme**

**Course Structure**

**B.A. (VS) Human Resource Management**

<b><u>Semester – I</u></b>		
<b>1.1</b>	Environmental Studies/ Language: English/Hindi/Modern Indian Language	Ability Enhancement Compulsory Course (AECC)
<b>1.2</b>	English/ MIL I	Core Discipline
<b>1.3</b>	Business Organization and Environment – I	Core Discipline
<b>1.4</b>	Principles of Microeconomics	Core Discipline
<b><u>Semester – II</u></b>		
<b>2.1</b>	Language: English/Hindi/Modern Indian Language/ Environmental Studies	Ability Enhancement Compulsory Course (AECC)
<b>2.2</b>	MIL / English I	Core Discipline
<b>2.3</b>	Business Organization and Environment – II	Core Discipline
<b>2.4</b>	Macroeconomics	Core Discipline
<b><u>Semester – III</u></b>		
<b>3.1</b>	English/ MIL II	Core Discipline
<b>3.2</b>	Organizational Behaviour-I	Core Discipline
<b>3.3</b>	Indian Economy – Sectoral Issues	Core Discipline
<b>3.4</b>	Computer Concepts and Software Packages	Skill Enhancement Course (SEC)
<b><u>Semester – IV</u></b>		
<b>4.1</b>	MIL / English II	Core Discipline

4.2	Organizational Behaviour-II	Core Discipline
4.3	Labour and Development in India	Core Discipline
4.4	Business Communications and personality Development	Skill Enhancement Course (SEC)
<b><u>Semester – V</u></b>		
5.1	Management of Human Resource-I	Elective Core – Discipline Based
5.2	Internship Project / Project	Elective Core – Generic
5.3	Financial Accounting Corporate Laws	Elective Core – Generic
5.4	Labour Welfare and Legislative Framework	Skill Enhancement Course (SEC)
<b><u>Semester – VI</u></b>		
6.1	Industrial Relations	Elective Core – Discipline Based
6.2	Globalization Management of Human Resource-II	Elective Core – Discipline Based
6.3	Business Law Financial management	Elective Core – Generic
6.4	Human Resource Information System	Skill Enhancement Course (SEC)

**B.A. (Vocational Studies) Marketing Management and  
Retail Business: Three-Year (6-Semester)  
CBCS Programme**

**Course Structure**

**B.A. (VS) Marketing Management and Retail Business**

<b><u>Semester – I</u></b>		
<b>1.1</b>	Environmental Studies/ Language: English/Hindi/Modern Indian Language	Ability Enhancement Compulsory Course (AECC)
<b>1.2</b>	English/ MIL I	Core Discipline
<b>1.3</b>	Introduction to Marketing Management-I	Core Discipline
<b>1.4</b>	Principles of Microeconomics	Core Discipline
<b><u>Semester – II</u></b>		
<b>2.1</b>	Language: English/Hindi/Modern Indian Language/ Environmental Studies	Ability Enhancement Compulsory Course (AECC)
<b>2.2</b>	MIL / English I	Core Discipline
<b>2.3</b>	Introduction to Marketing Management-II	Core Discipline
<b>2.4</b>	Macroeconomics	Core Discipline
<b><u>Semester – III</u></b>		
<b>3.1</b>	English/ MIL II	Core Discipline
<b>3.2</b>	Advertising and Sales Promotion	Core Discipline
<b>3.3</b>	Indian Economy – Sectoral Issues	Core Discipline
<b>3.4</b>	Computer Concepts and Software Packages	Skill Enhancement Course (SEC)
<b><u>Semester – IV</u></b>		
<b>4.1</b>	MIL / English II	Core Discipline
<b>4.2</b>	Retail Business Management	Core Discipline
<b>4.3</b>	Labour and Development in India	Core Discipline
<b>4.4</b>	Business Communications and Personality Development	Skill Enhancement Course (SEC)
<b><u>Semester – V</u></b>		
<b>5.1</b>	Legal Aspects of Marketing	Elective Core – Discipline Based
<b>5.2</b>	Internship Project / Project	Elective Core – Generic
<b>5.3</b>	Financial Accounting	Elective Core – Generic

	Corporate Laws	
<b>5.4</b>	Rural Marketing	Skill Enhancement Course (SEC)
<b><u>Semester – VI</u></b>		
<b>6.1</b>	International Marketing: An Overview	Elective Core – Discipline Based
<b>6.2</b>	Globalization Retailing Operations	Elective Core – Discipline Based
<b>6.3</b>	Business Law Financial management	Elective Core – Generic
<b>6.4</b>	E-Commerce	Skill Enhancement Course (SEC)



<b>B.A. (Vocational Studies) Tourism Management : Three-Year (6-Semester) CBCS Programme</b>		
<b>Course Structure</b>		
<b>B.A. (VS) Tourism Management</b>		
<b><u>Semester – I</u></b>		
<b>1.1</b>	Environmental Studies/ Language: English/Hindi/Modern Indian Language	Ability Enhancement Compulsory Course (AECC)
<b>1.2</b>	English/ MIL I	Core Discipline
<b>1.3</b>	History of Tourism – I	Core Discipline
<b>1.4</b>	Fundamentals of Management	Core Discipline
<b><u>Semester – II</u></b>		
<b>2.1</b>	Language: English/Hindi/Modern Indian Language/ Environmental Studies	Ability Enhancement Compulsory Course (AECC)
<b>2.2</b>	MIL / English I	Core Discipline
<b>2.3</b>	History of Tourism – II	Core Discipline
<b>2.4</b>	Entrepreneurship and Small Business	Core Discipline
<b><u>Semester – III</u></b>		
<b>3.1</b>	English/ MIL II	Core Discipline
<b>3.2</b>	Concept and Impacts of Tourism	Core Discipline
<b>3.3</b>	Tourism Marketing	Core Discipline
<b>3.4</b>	Computer Concepts and Software Packages	Skill Enhancement Course (SEC)
<b><u>Semester – IV</u></b>		
<b>4.1</b>	MIL / English II	Core Discipline

**B.A. (VS) Tourism Management CBCS**

<b>4.2</b>	Profile of Modern Tourism	Core Discipline
<b>4.3</b>	Managerial Accounting and Finance in Tourism	Core Discipline
<b>4.4</b>	Business Communications and Personality Development	Skill Enhancement Course (SEC)
<b><u>Semester – V</u></b>		
<b>5.1</b>	Tourism Undertaking	Elective Core – Discipline Based
<b>5.2</b>	Internship Project / Project	Elective Core – Generic
<b>5.3</b>	Corporate Laws Culture In Indian Subcontinent I	Elective Core – Generic
<b>5.4</b>	Airport Handling	Skill Enhancement Course (SEC)
<b><u>Semester – VI</u></b>		
<b>6.1</b>	Procedure and Operations in The Tourism Business	Elective Core – Discipline Based
<b>6.2</b>	Globalization Conservation And Preservation Of Nature And Culture	Elective Core – Discipline Based
<b>6.3</b>	Business Law Culture in Indian subcontinent II	Elective Core – Generic
<b>6.4</b>	E-Commerce Business Tourism and Hospitality	Skill Enhancement Course (SEC)

<b>B.A. (Vocational Studies) Management and Marketing of Insurance: Three-Year (6-Semester)</b>		
<b><u>CBCS Programme</u></b>		
<b><u>Course Structure</u></b>		
<b><u>B.A. (VS) Management and Marketing of Insurance</u></b>		
<b><u>Semester – I</u></b>		
<b>1.1</b>	Environmental Studies/ Language: English/Hindi/Modern Indian Language	Ability Enhancement Compulsory Course (AECC)
<b>1.2</b>	English/ MIL I	Core Discipline
<b>1.3</b>	Risk Management and Insurance	Core Discipline
<b>1.4</b>	Principles of Microeconomics	Core Discipline
<b><u>Semester – II</u></b>		
<b>2.1</b>	Language: English/Hindi/Modern Indian Language/ Environmental Studies	Ability Enhancement Compulsory Course (AECC)
<b>2.2</b>	MIL / English I	Core Discipline
<b>2.3</b>	Insurance Law and Regulation	Core Discipline
<b>2.4</b>	Macroeconomics	Core Discipline
<b><u>Semester – III</u></b>		
<b>3.1</b>	English/ MIL II	Core Discipline
<b>3.2</b>	Principles of Life Insurance	Core Discipline
<b>3.3</b>	Indian Economy – Sectoral Issues	Core Discipline
<b>3.4</b>	Computer Concepts and Software Packages	Skill Enhancement Course (SEC)
<b><u>Semester – IV</u></b>		
<b>4.1</b>	MIL / English II	Core Discipline

**B.A. (VS) Management and Marketing of Insurance CBCS**

<b>4.2</b>	General Insurance - I	Core Discipline
<b>4.3</b>	Labour and Development in India	Core Discipline
<b>4.4</b>	Business Communications and Personality Development	Skill Enhancement Course (SEC)
<b><u>Semester - V</u></b>		
<b>5.1</b>	General Insurance - II	Elective Core - Discipline Based
<b>5.2</b>	Internship Project / Project	Elective Core - Generic
<b>5.3</b>	Financial Accounting Corporate Laws	Elective Core - Generic
<b>5.4</b>	Insurance Marketing	Skill Enhancement Course (SEC)
<b><u>Semester - VI</u></b>		
<b>6.1</b>	Practice of Life Insurance and Health Insurance	Elective Core - Discipline Based
<b>6.2</b>	Globalization International Financial Management	Elective Core - Discipline Based
<b>6.3</b>	Business Law Service marketing	Elective Core - Generic
<b>6.4</b>	Underwriting and Claim Management in Insurance	Skill Enhancement Course (SEC)

**B.A. (Vocational Studies) Office Management & Secretarial Practice: Three-Year (6-Semester)**

**CBCS Programme**

**Course Structure**

**B.A. (VS) Office Management & Secretarial Practice**

<b><u>Semester – I</u></b>		
<b>1.1</b>	Environmental Studies/ Language: English/Hindi/Modern Indian Language	Ability Enhancement Compulsory Course (AECC)
<b>1.2</b>	English/ MIL I	Core Discipline
<b>1.3</b>	Office Management and Methods	Core Discipline
<b>1.4</b>	Financial Accounting	Core Discipline
<b><u>Semester – II</u></b>		
<b>2.1</b>	Language: English/Hindi/Modern Indian Language/ Environmental Studies	Ability Enhancement Compulsory Course (AECC)
<b>2.2</b>	MIL / English I	Core Discipline
<b>2.3</b>	Communication & Business Correspondence	Core Discipline
<b>2.4</b>	Business Law	Core Discipline
<b><u>Semester – III</u></b>		
<b>3.1</b>	English/ MIL II	Core Discipline
<b>3.2</b>	Secretarial Practice and Basic Phonography-I	Core Discipline
<b>3.3</b>	Computing Basics and its Applications - I	Core Discipline
<b>3.4</b>	Banking and Insurance Operations	Skill Enhancement Course (SEC)
<b><u>Semester – IV</u></b>		
<b>4.1</b>	MIL / English II	Core Discipline

**B.A. (VS) Office Management & Secretarial Practice CBCS**

<b>4.2</b>	Secretarial Practice and Basic Phonography-II	Core Discipline
<b>4.3</b>	Corporate Laws	Core Discipline
<b>4.4</b>	Business Communications and Personality Development	Skill Enhancement Course (SEC)
<b><u>Semester – V</u></b>		
<b>5.1</b>	Advanced Phonography (Practical) – I	Elective Core – Discipline Based
<b>5.2</b>	Internship Project / Project	Elective Core – Generic
<b>5.3</b>	Indian Polity And Governance Making of Indian Nation	Elective Core – Generic
<b>5.4</b>	MIS	Skill Enhancement Course (SEC)
<b><u>Semester – VI</u></b>		
<b>6.1</b>	Advanced Phonography (Practical) – II	Elective Core – Discipline Based
<b>6.2</b>	Computing Basics and its Applications – II	Elective Core – Discipline Based
<b>6.3</b>	Administration and Public Policy Conservation and Preservation of Nature and Culture	Elective Core – Generic
<b>6.4</b>	E-Commerce	Skill Enhancement Course (SEC)

**B.A. (Vocational Studies) Small and Medium Enterprises  
: Three-Year (6-Semester)**

**CBCS Programme**

**Course Structure**

**B.A. (VS) Small and Medium Enterprises**

**Semester – I**

<b>1.1</b>	Environmental Studies/ Language: English/Hindi/Modern Indian Language	Ability Enhancement Compulsory Course (AECC)
<b>1.2</b>	English/ MIL I	Core Discipline
<b>1.3</b>	Fundamentals of Entrepreneurship and MSMEs	Core Discipline
<b>1.4</b>	Principles of Microeconomics	Core Discipline

**Semester – II**

<b>2.1</b>	Language: English/Hindi/Modern Indian Language/ Environmental Studies	Ability Enhancement Compulsory Course (AECC)
<b>2.2</b>	MIL / English I	Core Discipline
<b>2.3</b>	Organization and Management of MSMEs	Core Discipline
<b>2.4</b>	Macroeconomics	Core Discipline

**Semester – III**

<b>3.1</b>	English/ MIL II	Core Discipline
<b>3.2</b>	Institutional Support to MSMEs	Core Discipline
<b>3.3</b>	Indian Economy – Sectoral Issues	Core Discipline
<b>3.4</b>	Computer Concepts and Software Packages	Skill Enhancement Course (SEC)

**Semester – IV**

<b>4.1</b>	MIL / English II	Core Discipline
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**B.A. (VS) Small and Medium Enterprises CBCS**

<b>4.2</b>	MSMEs Policy Framework	Core Discipline
<b>4.3</b>	Labour and Development in India	Core Discipline
<b>4.4</b>	Business Communications and personality Development	Skill Enhancement Course (SEC)
<b><u>Semester – V</u></b>		
<b>5.1</b>	Financial Management in MSMEs	Elective Core – Discipline Based
<b>5.2</b>	Internship Project / Project	Elective Core – Generic
<b>5.3</b>	Financial Accounting Corporate Laws	Elective Core – Generic
<b>5.4</b>	Contemporary Environment of MSMEs	Skill Enhancement Course (SEC)
<b><u>Semester – VI</u></b>		
<b>6.1</b>	Marketing Management in MSMEs	Elective Core – Discipline Based
<b>6.2</b>	Globalization Human Resource Management in MSMEs	Elective Core – Discipline Based
<b>6.3</b>	Business Law Marketing Strategy and relationship marketing	Elective Core – Generic
<b>6.4</b>	E-Commerce	Skill Enhancement Course (SEC)



**B.A. (Vocational Studies) Materials Management :  
Three-Year (6-Semester)**

**CBCS Programme**

**Course Structure**

**B.A. (VS) Materials Management**

<b><u>Semester – I</u></b>		
<b>1.1</b>	Environmental Studies/ Language: English/Hindi/Modern Indian Language	Ability Enhancement Compulsory Course (AECC)
<b>1.2</b>	English/ MIL I	Core Discipline
<b>1.3</b>	Materials Management : An Overview	Core Discipline
<b>1.4</b>	Principles of Microeconomics	Core Discipline
<b><u>Semester – II</u></b>		
<b>2.1</b>	Language: English/Hindi/Modern Indian Language/ Environmental Studies	Ability Enhancement Compulsory Course (AECC)
<b>2.2</b>	MIL / English I	Core Discipline
<b>2.3</b>	Stores Keeping and Stores Accounting	Core Discipline
<b>2.4</b>	Macroeconomics	Core Discipline
<b><u>Semester – III</u></b>		
<b>3.1</b>	English/ MIL II	Core Discipline
<b>3.2</b>	Purchase Management-I	Core Discipline
<b>3.3</b>	Indian Economy – Sectoral Issues	Core Discipline
<b>3.4</b>	Computer Concepts and Software Packages	Skill Enhancement Course (SEC)
<b><u>Semester – IV</u></b>		
<b>4.1</b>	MIL / English II	Core Discipline

**B.A. (Vocational Studies) Materials Management, CBCS**

<b>4.2</b>	Purchase Management-II	Core Discipline
<b>4.3</b>	Labour and Development in India	Core Discipline
<b>4.4</b>	Business Communications and Personality Development	Skill Enhancement Course (SEC)
<b><u>Semester – V</u></b>		
<b>5.1</b>	Inventory System and Control Techniques	Elective Core – Discipline Based
<b>5.2</b>	Internship Project / Project	Elective Core – Generic
<b>5.3</b>	Financial Accounting Corporate Laws	Elective Core – Generic
<b>5.4</b>	Productivity Management	Skill Enhancement Course (SEC)
<b><u>Semester – VI</u></b>		
<b>6.1</b>	Material Logistics and Distribution Management	Elective Core – Discipline Based
<b>6.2</b>	Globalization Supply Chain Management	Elective Core – Discipline Based
<b>6.3</b>	Business Law Materials Planning and Control	Elective Core – Generic
<b>6.4</b>	Quality Management	Skill Enhancement Course (SEC)

## B.A. Hons. Humanities and Social Science

### COURSE STRUCTURE

**Semester I:** 3 Core Courses and 2 Ability Enhancement Compulsory Courses (AECC) to be taught at CIC.

**Semester II to V:** 3 courses (Core or Elective) in colleges and 1 Elective Course in project format will be taught at CIC in each Semester.

**Semester VI:** 3 Core Courses and 1 Skill Enhancement Course (SEC) will be taught at CIC.

### COURSE STRUCTURE & CREDIT DISTRIBUTION

SEM 1 (at CIC)	SEM 2 (in Colleges)	SEM 3 (in Colleges)	SEM 4 (in Colleges)	SEM 5 (in Colleges)	SEM 6 (at CIC)
Environmental Science (AECC*) 2 Credits	Core/Elective <sup>+</sup> 6 Credits	Core/Elective 6 Credits	Core/Elective 6 Credits	Core/Elective 6 Credits	Digital Humanities (Core) 6 Credits
Art of Communication (AECC*) 2 Credits	Core/Elective 6 Credits	Core/Elective 6 Credits	Core/Elective 6 Credits	Core/Elective 6 Credits	Innovation Management (Core) 6 Credits
Impact of Technology (Core) 6 Credits	Core/Elective 6 Credits	Core/Elective 6 Credits	Core/Elective 6 Credits	Core/Elective 6 Credits	Legal Literacy (SEC <sup>#</sup> ) 6 Credits
Cultural Diversity (Core) 6 Credits	Project <sup>§</sup> 7 Credits (at CIC)	Project 7 Credits (at CIC)	Project 7 Credits (at CIC)	Project 7 Credits (at CIC)	Stream Intensive Paper (Core) 6 Credits
Research Methodology (Core) 6 Credits					
<b>22 Credits</b>	<b>25 Credits</b>	<b>25 Credits</b>	<b>25 Credits</b>	<b>25 Credits</b>	<b>20 Credits</b>
<b>Total number of credits: 22+25+25+25+25+20 = 146</b>					
<ul style="list-style-type: none"> <li>• A student is required to take 6 Core Courses at CIC and the remaining 8 in other colleges and earn 84 credits</li> <li>• A student is required to do 4 Projects (as electives) at CIC and 4 Elective Courses in other colleges and earn 28+24=52 credits</li> <li>• Two AECC at CIC in Semester I and one SEC in semester VI will fetch a student 6 credits</li> <li>• Total credits earned by student = 84+52+6 = 142</li> </ul>					
<p><i>Note: *AECC = Ability Enhancement Compulsory Course; #SEC = Skill Enhancement Course</i></p> <p><i>§Projects at CIC are a combination of Skill Enhancement and real world problem solving. For example, in Sign Language Project students had to learn sign language, train police personnel and come up with a solution to the</i></p>					

  
 Deputy Registrar (Council)  
