

## **DETAILS OF PAPERS**

### **Details of courses under B.A (Honors), B.Com (Honors) & B.Sc. (Honors)**

<b>Course</b>	<b>Theory+ Practical</b>	<b>*Credits Theory + Tutorial</b>
<b><u>I. Core Course</u></b>		
(14 Papers)	14X4= 56	14X5=70
Core Course Practical / Tutorial*		
(14 Papers) 1	4X2=28	14X1=14
<b><u>II. Elective Course</u></b>		
(8 Papers)		
A.1. Discipline Specific Elective	4X4=16	4X5=20
(4 Papers)		
A.2. Discipline Specific Elective		
Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		
B.1. Generic Elective/		
Interdisciplinary	4X4=16	4X5=20
(4 Papers)		
B.2. Generic Elective		
Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		
<b>Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester</b>		
<b><u>III. Ability Enhancement Courses</u></b>		
1. Ability Enhancement Compulsory		
(2 Papers of 2 credit each)	2 X 2=4	2 X 2=4
Environmental Science		
English/MIL Communication		
2. Ability Enhancement Elective (Skill Based)		
(Minimum 2)	2 X 2=4	2 X 2=4
(2 Papers of 2 credit each)		
<b>Total credits</b>	<b>140</b>	<b>140</b>

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

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

## BA H English

### Structure of B. A. Honours English under CBCS

#### Core Course

- 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)

- 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)

- 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)

- 1 : Environmental Study\*
- 2 : English/MIL Communication  
\* Syllabi not received

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

- 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

## BA H Hindi

### प्रश्नपत्रों का क्रम इस प्रकार होगा :

#### हिंदी कोर पाठ्यक्रम प्रश्नपत्र (HCC)

- १ : हिंदी भाषा और उसकी लिपि का इतिहास
- २ : हिंदी कविता ( आदिकाल एवं भद्रिकालीन काव्य )
- ३ : हिंदी साहित्य का इतिहास ( आदिकाल और मध्यकाल )
- ४ : हिंदी कविता ( रीतिकालीन काव्य )
- ५ : हिंदी साहित्य का इतिहास ( आधुनिक काल )
- ६ : हिंदी कविता ( आधुनिक काल छायावाद तक )
- ७ : हिंदी कहानी
- ८ : भारतीय काव्यशास्त्र
- ९ : हिंदी कविता ( छायावाद के बाद )
- १० : हिन्दी उपन्यास
- ११ : पाश्चात्य काव्यशास्त्र
- १२ : हिंदी नाटक/एकांकी
- १३ : हिन्दी आलोचना
- १४ : हिंदी निबंध और अन्य गद्य विधाएँ

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

- १ : लोकप्रिय साहित्य अथवा हिंदी सिनेमा और उसका अध्ययन
- २ : रचनात्मक लेखन अथवा पटकथा तथा संवाद लेखन
- ३ : हिंदी में व्यावहारिक अनुवाद अथवा भाषा और समाज
- ४ : हिन्दी का वैश्विक परिदृश्य अथवा भाषा शिक्षण

#### हिंदी विषय आधारित ऐच्छिक पाठ्यक्रम (HDSEC)

- १ : हिंदी की मौखिक और लोक-साहित्य परंपरा अथवा अस्मितामूलक

विमर्श और हिंदी साहित्य अथवा भारतीय एवं पाश्चात्य रंगमंच सिद्धांत

- २ : हिंदी भाषा का व्यावहारिक व्याकरण अथवा कोश विज्ञान : शब्दकोश और विश्वकोश अथवा भारतीय साहित्य की संक्षिप्त रूपरेखा
- ३ : लोकनाट्य अथवा हिन्दी की भाषिक विविधताएँ अथवा भारतीय साहित्य पाठपरक अध्ययन
- ४ : शोध-प्रविधि अथवा अवधारणात्मक साहित्यिक पद अथवा हिंदी रंगमंच

#### हिंदी कौशल-संवर्द्धक ऐच्छिक पाठ्यक्रम (HSEC)

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

( क )

- १ : विज्ञापन और हिंदी भाषा
- २ : कम्प्यूटर और हिंदी भाषा
- ३ : सोशल मीडिया
- ४ : अनुवाद-कौशल

( ख )

- १ : कार्यालयी हिंदी
- २ : भाषायी दक्षता : समझ और संभाषण
- ३ : भाषा और समाज
- ख एक अनिवार्य प्रश्नपत्र : आधुनिक भारतीय भाषा संप्रेषण/अंग्रेजी
- ख एक अनिवार्य प्रश्नपत्र : पर्यावरण विज्ञान कुल २६ प्रश्नपत्र

## BA H Punjabi

### Core Papers B.A. H Punjabi

- 1 : Gurmat Poetry  
ਗੁਰਮਤਿ ਕਾਵਿ (Gurmat Kāv)
- 2 : Modern Punjabi Story  
ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਹਾਣੀ (Ādhunik Punjabi Kahānī)
- 3 : Punjabi Sufi-Poetry  
ਪੰਜਾਬੀ ਸੂਫੀ-ਕਾਵਿ (Punjābi Sufi-Kāv)
- 4 : Medieval and Modern Punjabi Prose  
ਮੱਧਕਾਲੀਨ ਅਤੇ ਨਵੀਨ ਪੰਜਾਬੀ ਵਾਰਤਕ (Madhkāleen ate Naveen Panjābi Vārtak)
- 5 : Punjabi Folklore and Culture  
ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ ਅਤੇ ਸਭਿਆਚਾਰ (Punjābi Lokdhārā ate Sabhiāchār)
- 6 : Punjabi Novel  
ਪੰਜਾਬੀ ਨਾਵਲ (Punjābi Novel)
- 7 : Modern Punjabi Poetry  
ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ (Ādhunik Punjabi Kavītā)
- 8 : Medieval Narrative Poetry : Qissa and Balladry  
ਮੱਧਕਾਲੀ ਬਿਰਤਾਂਤਕ ਕਾਵਿ : ਕਿੱਸਾ ਤੇ ਬੀਰ ਕਾਵਿ (Madhkāli Birtāntak Kāv : Qissā te Bīr Kāv)
- 9 : Punjabi Language, Script and Grammar  
ਪੰਜਾਬੀ ਭਾਸ਼ਾ, ਲਿੱਪੀ ਅਤੇ ਵਿਆਕਰਨ (Punjābi Bhāshā, Lippi ate Viyākam)
- 10 : Punjabi Drāmā and One-Act Play  
ਪੰਜਾਬੀ ਨਾਟਕ ਅਤੇ ਇਕਾਂਗੀ (Punjābi Nātak ate Ikāngī)
- 11 : Parvāsi Punjabi Literature  
ਪਰਵਾਸੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (Parvāsi Punjābi Sāhit)
- 12 : Theory of Literature & Indian Poetics  
ਸਾਹਿਤ ਸਿਧਾਂਤ ਅਤੇ ਭਾਰਤੀ ਕਾਵਿ-ਸ਼ਾਸਤਰ (Sāhit Sidhānt ate Bhārti Kāv-Shāstar)
- 13 : Pākistāni Punjabi Literature  
ਪਾਕਿਸਤਾਨੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (Pākistāni Punjābi Sāhit)
- 14 : Punjabi Criticism and Western Literary Approaches  
ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਅਤੇ ਪੱਛਮੀ ਚਿੰਤਨ-ਪ੍ਰਣਾਲੀਆਂ (Punjābi Ālochnā ate Pachhmi Chintan Prannālīnān)

### Elective : Discipline Specific (DSE)

- 1 : Punjabi Travelogue Literature  
ਪੰਜਾਬੀ ਸਫ਼ਰਨਾਮਾ ਸਾਹਿਤ (Punjābi Safarnāmā Sāhit)
- 2 : Indian Literature  
ਭਾਰਤੀ ਸਾਹਿਤ (Bhārti Sāhit)
- 3 : World Literature  
ਵਿਸ਼ਵ ਸਾਹਿਤ (Vishav Sāhit)
- 4 : Mass Movements of Punjāb and Punjābi Literature  
ਪੰਜਾਬ ਦੀਆਂ ਲੋਕ-ਲਹਿਰਾਂ ਅਤੇ ਪੰਜਾਬੀ ਸਾਹਿਤ (Punjāb diān Lok-Laeharān ate Punjābi Sāhit)
- 5 : Biography and Auto-Biography  
ਜੀਵਨੀ ਅਤੇ ਸਵੈ-ਜੀਵਨੀ (Jeevani ate Swai-Jeevani)
- 6 : Life Sketch  
ਰੇਖਾ ਚਿੱਤਰ (Rekhā Chittar)
- 7 : Myth Transformation and Myth Criticism  
ਮਿਥ ਰੂਪਾਂਤਰਣ ਅਤੇ ਮਿਥ ਚਿੰਤਨ (Myth Roopāntarann ate Myth Chintan)
- 8 : Punjabi Epic Poetry  
ਪੰਜਾਬੀ ਮਹਾ-ਕਾਵਿ (Punjābi Mahā-Kāv)
- 9 : Literature on Partition & Punjāb holocaust  
ਦੇਸ਼ ਵੰਡ ਅਤੇ ਪੰਜਾਬ ਸੰਤਾਪ ਬਾਰੇ ਸਾਹਿਤ (Deshvandd ate Punjāb Santāp bāre Sāhit)

- 10 : Punjabi Balladry  
ਪੰਜਾਬੀ ਵਾਰ ਸਾਹਿਤ (Punjābi Vār Sāhit)  
\*Optional Dissertation or Project Work in place of one Discipline Specific Elective Paper (6 Credits) in 6th Semester.

### Elective Course : Generic

- 1 : Modern Punjabi Poetry and Functional Punjabi  
ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Ādhunik Punjābi Kavītā ate Vihārak Punjābi)
- 2 : Modern Punjabi Story and Functional Punjabi  
ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਹਾਣੀ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Ādhunik Punjābi Kahānī ate Vihārak Punjābi)
- 3 : Punjabi Travologue and Functional Punjabi  
ਪੰਜਾਬੀ ਸਫ਼ਰਨਾਮਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Safarnāmā ate Vihārak Punjābi)
- 4 : Punjabi One-Act Play and Functional Punjabi  
ਪੰਜਾਬੀ ਇਕਾਂਗੀ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Ikāngī ate Vihārak Punjābi)
- 5 : Punjabi Novel and Functional Punjabi  
ਪੰਜਾਬੀ ਨਾਵਲ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Novel ate Vihārak Punjābi)
- 6 : Punjabi Drāmā and Functional Punjabi  
ਪੰਜਾਬੀ ਨਾਟਕ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Nātak ate Vihārak Punjābi)
- 7 : Punjabi Qissā and Functional Punjabi  
ਪੰਜਾਬੀ ਕਿੱਸਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Qissā ate Vihārak Punjābi)
- 8 : Punjabi Folklore and Functional Punjabi  
ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Punjābi Lokdhārā ate Vihārak Punjābi)
- 9 : Parvāsi Punjabi Prose and Functional Punjabi  
ਪਰਵਾਸੀ ਪੰਜਾਬੀ ਵਾਰਤਕ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Parvāsi Punjābi Vārtak ate Vihārak Punjābi)
- 10 : Media and Fuctional Punjabi  
ਮੀਡੀਆ ਅਤੇ ਵਿਹਾਰਕ ਪੰਜਾਬੀ (Mediā ate Vihārak Punjābi)

### Ability Enhancement Compulsory Course (AECC)

- 1 : Punjabi A  
(Advance Level)
- 2 : Punjabi - B  
(Intermediate Level)
- 3 : Punjabi - 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

- 1 : Learning Skill of Mediā and Māss Communication  
ਮੀਡੀਆ ਅਤੇ ਜਨ-ਸੰਚਾਰ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Mediā ate Jan-Sanchār dā Hunar Sikhannā)
- 2 : Learning Skill of Trānslation  
ਅਨੁਵਾਦ ਕਰਨ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Anuvād Karan dā Hunar Sikhannā)
- 3 : Learning Skill of Ārt of Theatre  
ਰੰਗਮੰਚ ਕਲਾ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Rangmanch Kalā dā Hunar Sikhannā)
- 4 : Learning Skill of Computerization of Punjabi Language  
ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਕੰਪਿਊਟਰੀਕਰਨ ਦਾ ਹੁਨਰ ਸਿਖਣਾ (Punjābi Bhāshā de Compurtrikaran dā Hunar)

## BA H Economics

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

- 1 : Introductory Microeconomics
- 2 : Mathematical Methods for Economics-I
- Economics-I**
- 3 : Introductory Macroeconomics
- 4 : Mathematical Methods for Economics-II
- Economics-II**
- Ability Enhancement Compulsory Course (AECC)-I
- Ability Enhancement Compulsory Course (AECC)-II
- Generic Elective (GE) Course-I
- Generic Elective (GE) Course-II
- 5 : Intermediate Microeconomics-I
- 6 : Intermediate Macroeconomics-I
- 7 : Statistical Methods for Economics
- 8 : Intermediate Microeconomics-II
- 9 : Intermediate Macroeconomics-II
- 10 : Introductory Econometrics
- Skill Enhancement Course (SEC)-I
- Skill Enhancement Course (SEC)-II
- Generic Elective (GE) Course-III
- Generic Elective (GE) Course-IV
- 11 : Indian Economy-I
- 12 : Development Economics-I
- 13 : Indian Economy-II
- 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

## BA H History

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

#### Paper

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

#### Discipline Specific Elective (Any Four)

- I : History Of United States Of America -I (C. 1776 -1945)
- II : History Of United States Of America -II (C. 1776 - 1945)
- III : History Of The USSR-I (c. 1917- 1964)
- IV : History Of The USSR-II (c. 1917- 1964)
- V : History Of Africa (c. 1500 - 1960s)
- VI : History Of Latin America (c. 1500 - 1960s)
- VII : History Of Southeast Asia-The 19TH Century
- VIII : History Of Southeast Asia-The 20TH Century
- IX : History of Modern East Asia-I (c.1840-1919)
- X : History of Modern East Asia-II ©. 1868-1945)

#### Generic Elective (Interdisciplinary Any Four)

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

### Generic Elective Courses in Economics

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

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

#### Any Two

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

#### B.A (Hons) History

Core Papers©: 14,Credits: 6 each, 5classes,1 tutorial

- I : History of India-I
- II : Social Formations and Cultural Patterns of the Ancient World
- III : History of India-II
- IV : Social Formations and Cultural Patterns of the Medieval World
- V : History of India-III ©. 750-1206)
- VI : Rise of Modern West-I
- VII : History of India IV (c.1206-1550)
- VIII : Rise of Modern West -II

- IX : History of India-V ©. 1550-1605
- X : History of India-VI ©. 1750-1857
- XI : History of Modern Europe I ©. 1780-1939
- X : History of India-VI ©. 1750-1857
- XI : History of Modern Europe I ©. 1780-1939
- XII : History of India-VII ©. 1605-1750
- XIII : History of India-VIII ©. 1857-1950
- XIV : History of Modern Europe II (1780-1939)

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

- 1-I : History Of United States Of America -I©. 1776 ñ 1945)
- 2-II : History Of United States Of America -II©. 1776 ñ 1945)
- 3-III : History Of The USSR-I (c. 1917- 1964)
- 4-II : History Of The USSR-II (c. 1917- 1964)
- 5-I : History Of Africa (c. 1500 - 1960s)
- 6 : History Of Latin America (c. 1500 - 1960s)
- 7 : History Of Southeast Asia - The 19TH Century
- 8 : History Of Southeast Asia - The 20TH Century
- 9 : History of Modern East Asia-1 ©. 1840-1919)
- 10 : History of China & Japan-II ©. 1868-1939)

## BA H Political Science

**Paper**

- I : Understanding Political Theory
- II : Constitutional Government and Democracy in India
- III : Political Theory-Concepts and Debates
- IV : Political Process in India
- V : Introduction to Comparative Government and Politics
- VI : Perspectives on Public Administration
- VII : Perspectives on International Relations and World History
- VIII : Political Processes and Institutions in Comparative Perspective
- IX : Public Policy and Administration in India
- X : Global Politics
- XI : Classical Political Philosophy
- XII : ZIndian Political Thought-I
- XIII : Modern Political Philosophy
- XIV : Indian Political Thought-II

**(B) Generic Elective -4 (Interdisciplinary): Any Four**

- 1 : Nationalism in India
- 2 : Contemporary Political Economy
- 3 : Feminism: Theory and Practice (This paper has been swapped by the paper titled 'Women, Power and Politics')
- 4 : Gandhi and the Contemporary World
- 5 : Understanding Ambedkar
- 6 : Governance: Issues and Challenges
- 7 : Politics of Globalization
- 8 : United Nations and Global Conflicts

**(C) Discipline Specific Elective-4 (DSE): Any Four**

- 1 : Citizenship in a Globalizing World
- 2 : Human Rights in a Comparative Perspective
- 3 : Development Process and Social Movements in Contemporary India
- 4 : Public Policy in India
- 5 : Understanding Global Politics (This paper has been replaced by the paper titled 'Colonialism and Nationalism in India')
- 6 : India's Foreign Policy in a Globalizing world
- 7 : Women, Power and Politics (This paper has been swapped

**Generic Elective (Interdisciplinary Any Four) CREDITS-6**

- I : Environmental Issues In India
- II : Research Methodology in History
- III : Making of Contemporary India
- IV : Delhi: Ancient
- V : Delhi: Medieval
- VI : Delhi: Modern
- VII : Issues in Contemporary World

**Ability Enhancement Course (AEC)**

- Compulsory-2 Papers, Credits-2 Each,2 Classes**  
 Environmental Science  
 English/ MIL

**Skill Enhancement Courses (SEC)**

**Any Two Papers, Credits-2 Each, 2 Classes**

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

- by  
 the paper titled 'Feminism: Theory and Practice')
- 8 : Dilemmas in Politics

**(D) Ability Enhancement-2 (AE Skill Based): Any Two**

- 1 : Your Laws, Your Rights
- 2 : Public Opinion and Survey Research
- 3 : Legislative Practices and Procedures
- 4 : Peace and Conflict Resolution

**(E) Ability Enhancement (Compulsory) Fondation: Two**

- 1 : Language-MIL/ENGLISH
- 2 : Environmental Science
- 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
- 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
- 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
- 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
- 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
- 6.1 : Modern Political Philosophy Core Discipline -13
- 6.2 : Indian Political Thought-II Core Discipline -14
- 6.3 : & 6.4 Any two of the Following Discipline Specific Elective (DSE) 3 &4  
 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- Understanding Global Politics (Replaced by 'Colonialism and Nationalism in India')  
 F- India's Foreign Policy in a globalizing world  
 G- Feminism: Theory and Practice  
 H- Dilemmas in Politics

## B.Com H

**B.com (Hons): Three Year (6-Semester) CBSE Programm**

**Page No. Course Structure**

- 1.1 : Environmental Studies Ability Enhancement :  
 Compulsory Course (AECC-1)
- 1.2 : Financial Studies Core Course (C-1)
- 1.3 : Business Law Core Course (C-2)
- 1.4 : General Elective (GE-1)  
 (Any one of the following)  
 a. Micro Environment  
 b. Insurance and Risk Management
- 2.1 : Business communication (Language-  
 English/Hindi/MIL) Ability Enhancement  
 Compulsory Course (AECC -2)
- 2.2 : Corporate Accounting Core Course (C-3)
- 2.3 : Corporate Laws Core Course (C-4)
- 2.4 : Generic Elective (GE-2) Generic Elective (GE-2)  
 (Any one of the following)  
 a. Micro Environment  
 b. Investing in Markets
- 3.1 : Human Resource Management Core Course (C-5)
- 3.2 : Income-tax Law and Practice Core Course (C-6)
- 3.3 : Management Principles and Application Core Course  
 (C-7)
- 3.4 : Generic Elective (GE-3) Generic Elective (GE-3)  
 (Any one of the following)  
 a. Business Statistics  
 b. Project Management
- 3.5 : Skill Enhancement Course (Sec-1) Skill Enhancement Course  
 (Any of the following)  
 a. E-Commerce  
 b. Training and Development  
 c. E-Marketing  
 d. Personal Tax Planning
- 4.1 : Cost Accounting Core Course (C-8)
- 4.2 : Business Mathematics Core Course (C-9)
- 4.3 : Computer Applications in Business Core Course (C-10)
- 4.4 : Generic Elective (GE-4) Generic Elective (GE-4)  
 (Any one of the following)  
 a. Indian Economy  
 b. Economic of Regulation of Domestic and

- |  |  |
|--|--|
| <p>Foreign Exchange Markets</p> <p>4.5 : Skill-Enhancement Course (SEC-2) Skill-Enhancement Course (SEC-2) (<i>Any one of the following</i>)</p> <p>a. Entrepreneurship</p> <p>b. Collective Bargaining and Negotiation Skills</p> <p>c. E-Filing of Returns</p> <p>d. Cyber Crimes and Laws</p> <p>5.1 : Principles of Marketing Core Course (C-11)</p> <p>5.2 : Fundamental of Financial Management Core Course (C-12)</p> <p>5.3 : Discipline Specific Elective (DSE-1) Discipline Specific Elective (DSE-1) (<i>Any one of group A</i>)</p> <p>5.4 : Discipline Specific Elective (DSE-2) Discipline Specific Elective (DSE-2) (<i>Any one of group A</i>)</p> <p>a. Management Accounting</p> <p>b. Corporate Tax Planning</p> <p>c. Advertising</p> <p>d. Banking and Insurance</p> <p>e. Computerised Accounting System</p> | <p>f. Financial Markets , Institutions and Financial Services</p> <p>g. Industrial Laws</p> <p>h. Organisational Behaviour</p> <p>6.1 : Auditing and Corporate Governance</p> <p>6.2 : Indirect Tax Laws Core Course (C-14)</p> <p>6.3 : Discipline Specific Elective (DSE-3) Discipline Specific Elective (DSE-3) (<i>Any one of group B</i>)</p> <p>6.4 : Discipline Specific Elective (DSE-4) Discipline Specific Elective (DSE-4) (<i>Any one of group B</i>)</p> <p>a. Fundamental of Investment</p> <p>b. Consumer Affairs and Consumer Care</p> <p>c. Business Tax Procedures and Management</p> <p>d. International Business</p> <p>e. Industrial Relations and Labour Laws</p> <p>f. Business Research Methods and Project Work</p> <p>g. New Venture Planning</p> <p>h. Financial Reporting &amp; Analysis</p> <p>I. Compensation Management</p> |
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## B.Com (Prog.)

### B.Com : Three -Year (6-Semester) CBSE Programme

- |   |   |
|---|---|
| <p>1.1 : Environmental Studies Ability Enhancement Compulsory Course (AECC-1)</p> <p>1.2 : Financial Accounting Core Course (DCS-1)</p> <p>1.3 : Business Organisation and Management Core Course (DCS-2)</p> <p>1.4 : English Language Language-1</p> <p>2.1 : Language: English /Hindi/Modern Indian Language Ability Enhancement Compulsory Course (ACEE -2)</p> <p>2.2 : Business Laws Core Course (DSC-3)</p> <p>2.3 : Business Mathematics and Statistics Core Course (DSC-4)</p> <p>2.4 : Hindi/Modern Indian Language Language-2</p> <p>3.1 : Company Law Core Course (DSC-5)</p> <p>3.2 : Indian Tax Law and Practice Core Course (DSC-6)</p> <p>3.3 : Hindi/Modern Indian Language Language-3</p> <p>3.4 : Skills Based (Any one of the following) Ability Enhancement Elective (Skill Based-AEEC-1)</p> <p>(a) Computer Application in Business</p> <p>(b) Cyber Crimes and Laws</p> <p>4.1 : Business Communication (English/Hindi) Language-4</p> <p>4.2 : Corporate Accounting Core Course (DSC-7)</p> <p>4.3 : Cost Accounting Core Course (DCS-8)</p> <p>4.4 : Skill Based (Any one of the following) Ability Enhancement Elective Course (Skill Based-AEEC-2)</p> <p>(a) E-Commerce</p> <p>(b) Investing in Stock Markets</p> <p>5.1 : Discipline Specific Elective Discipline Selective Elective (DSE-1) (<i>Any one of the following</i>)</p> <p>(a) Human Resource Management</p> <p>(b) Principles of Marketing</p> <p>(c) Auditing and Corporate Governance</p> | <p>(d) Financial Reporting and Analysis</p> <p>5.2 : Discipline Specific Elective Discipline Specific Elective (Dse-2) (<i>Any one of the following</i>)</p> <p>(a) Fundamental of Financial Management</p> <p>(b) Indirect Tax Laws Training and Development</p> <p>(d) Industrial Laws</p> <p>5.3 : Skills Based Ability Enhancement Elective Course (Skill Based- AEEC-3) (<i>Any one of the following</i>)</p> <p>(a) Entrepreneurship</p> <p>(b) Advertising</p> <p>5.4 : Discipline Specific Elective Generic Elective (GE-1) (<i>Any one of the following</i>)</p> <p>(a) Principle of Micro Economics</p> <p>(b) Economics of Regulation of Domestic an Foreign Exchange Markets</p> <p>6.1 : Discipline Specific Elective Discipline Specific Elective (DSE-3) (<i>Any one of the following</i>)</p> <p>(a) Corporate Tax Planning</p> <p>(b) Banking and Insurance Management Accounting</p> <p>(d) Computerised Accounting System</p> <p>(e) Financial Markets and Institution</p> <p>6.2 : Discipline Specific Elective Discipline Specific Elective (DSE-4) (<i>Any one of the following</i>)</p> <p>(a) International Business</p> <p>(b) Office Management and Secretarial Practice</p> <p>(c) Fundamental of Investment</p> <p>(d) Consumer Protection</p> <p>(e) Organisational Behaviour</p> <p>BC 6.3 : Skill Based Ability Enhancement Elective Course (Skill Based- AEEC-4) (<i>Any one of the following</i>)</p> <p>(a) Personal Selling and Salesmanship</p> <p>(b) Collective Bargaining and Negotiation Skills</p> <p>6.4 : Generic Elective Generic Elective (GE-2) (<i>Any one of the following</i>)</p> <p>(a) Indian Economy</p> <p>(b) Project Management</p> |
|---|---|

## B.Sc H Botany

- 1 : Microbiology and Phycology
- 2 : Biomolecules and Cell Biology
- 3 : Mycology and Phytopathology
- 4 : Archegoniate
- 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)

- 1 : Analytical Techniques in Plant Sciences
- 2 : Biostatistics
- 3 : Industrial and Environmental Microbiology
- 4 : Bioinformatics

## B.Sc H Chemistry

### SEMESTER COURSE OPTED COURSE NAME Credits

- AEC-I Compulsory English Communications/Environmental Science 2
- I : Inorganic Chemistry-I 4
  - I : Practical Inorganic Chemistry-I Lab 2
  - II : Physical Chemistry-I 4
  - II : Practical Physical Chemistry-I Lab 2  
Generic Elective -1 GE-1 4/5 Generic Elective -1  
Practical/Tutorial 2/1 II Compulsory Environmental Science  
English Communications 2
  - III : Organic Chemistry-I 4
  - III : Practical Organic Chemistry-I Lab 2
  - IV : Physical Chemistry-II 4
  - IV : Practical Physical Chemistry-II Lab 2  
Generic Elective -2 GE-2 4/5 Generic Elective -2  
Practical/Tutorial 2/1
  - V : Inorganic Chemistry-II 4
  - V : Practical Inorganic Chemistry-II Lab 2
  - VI : Organic Chemistry-II 4
  - VI : Practical Organic Chemistry-II Lab 2
  - VII : Physical Chemistry-III 4
  - 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
  - VIII : Inorganic Chemistry-III 4
  - VIII : Practical Inorganic Chemistry-III Lab 2

### Generic Electives

- 1 : Biodiversity (Microbes, Algae, Fungi and Archegoniate)
- 2 : Plant Diversity and Human Welfare
- 3 : Plant Anatomy and Embryology
- 4 : Plant Ecology and Taxonomy
- 5 : Environmental Biotechnology
- 6 : Economic Botany and Biotechnology

### Ability Enhancement Course: Compulsory

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

### Skill Enhancement Courses: Elective

- 1 : Ethnobotany
- 2 : Intellectual Property Rights
- 3 : Biofertilizers
- 4 : Medicinal Botany

### Skill Enhancement Courses: Elective (Two)

- 1 : Ethnobotany
- 2 : Intellectual Property Rights Semester
- 3 : Biofertilizers
- 4 : Medicinal Botany

- IX : Organic Chemistry-III 4
- IX : Practical Organic Chemistry-III Lab 2
- X : Physical Chemistry-IV 4
- X : Practical Physical Chemistry-IV Lab 2  
Skill Enhancement Course -2 SEC -2 2  
Generic Elective -4 GE-4 4/5 Generic Elective -4 Practical 2/1
- XI : Organic Chemistry-IV 4
- XI : Practical Organic Chemistry-IV Lab 2
- XII : Physical Chemistry-V 4
- XII : Practical Physical Chemistry-V 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
- XIII : Inorganic Chemistry-IV 4
- XIII : Practical Inorganic Chemistry-IV Lab 2
- XIV : Organic Chemistry-V 4
- XIV : Practical Organic Chemistry-V 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.Sc H Electronics

### CORE COURSE(C): (Credit: 06 each)

(1 period/week for tutorials or 4 periods/week for practical)

- I : Basic Circuit Theory and Network Analysis (4+4)
- II : Mathematics Foundation for Electronics (4+4)
- III : Semiconductor Devices (4+4)
- IV : Applied Physics (4+4)
- V : Electronic Circuits (4+4)
- VI : Digital Electronics and VHDL (4+4)
- VII : C Programming and Data Structures (4+4)
- VIII : Operational Amplifiers and Applications (4+4)
- IX : Signals and Systems (4+4)
- X : Electronic Instrumentation (4+4)
- XI : Microprocessors and Microcontrollers (4+4)
- XII : Electromagnetics (4+4)
- XIII : Communication Electronics (4+4)
- XIV : 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) - EC1 to SEC2

- 1 : Design and Fabrication of Printed Circuit Boards (4)
- 2 : Robotics (4)
- 3 : Mobile Applications Development (4)
- 4 : Internet and Java Programming (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)

## B.Sc H Mathematics

### Core Course (14) Ability Enhancement Compulsory Course (AECC) (2) Skill Enhancement Course (SEC) (2) Elective

#### Discipline Specific DSE (4) Elective: Generic (4)

- 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 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
- DSE-1 (including practicals) (I)**  
Numerical Methods or (ii) Mathematical Modeling and Graph Theory or (iii) ++ Programming **DSE-2 (I)** Mathematical Finance or (ii) Discrete Mathematics or (iii) Cryptography and Network Security
- C 12 Group Theory-II
- VI : C 13 Complex Analysis (including practicals **DSE-3 (I)**  
Probability theory & Statistics or (ii) Mechanics or (iii) Bio-Mathematics  
**DSE-4 (i)** Number Theory or (ii) Linear Programming and Theory of Games or (iii) Applications of Algebra
- C 14 Ring Theory and Linear Algebra-II

## B.Sc H Physics

### Core Papers ©: (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)

- 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)
- 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)

- 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)\*
- 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)\*\*

## B.Sc H Zoology

- 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 - 2  
: 4Practical
- V : Core course-XI Molecular Biology 4  
: Core Course-XI Practical 2  
: Core course-XII Principles of Genetics 4 Core Course-XII Practical 2  
: 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.Sc Life Science

### Core Course -Botany

- 1 : Biodiversity (Microbes, Algae, Fungi and Archegoniata)
- 2 : Plant Ecology and Taxonomy
- 3 : Plant Anatomy and Embryology
- 4 : Plant Physiology and Metabolism

### Discipline Specific Elective -Botany(Any two) DSE-I (Any one)

- 1 : Cell and Molecular Biology
- 2 : Bioinformatics

### DSE-II (Any one)

- 3 : Economic Botany and Biotechnology
- 4 : Analytical Techniques in Plant Sciences

### Ability Enhancement Compulsory Courses

- 1 : Environmental Science
- 2 : English/Mil Communication

### Skill Enhancement Courses (four)

- I-1 : Biofertilizers
- II -2 : Medicinal Botany
- III-3 : Ethnobotany
- IV-4 : Intellectual Property Rights

### 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

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

- 1 : Economic Botany and Biotechnology
- 2 : Cell and Molecular Biology
- 3 : Analytical Techniques in Plant Science
- 4 : Bioinformatics

### Ability Enhancement Compulsory Courses

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

### Skill Enhancement Courses (four)

#### Botany

- 1 : Biofertilizers
- 2 : Medicinal Botany
- 3 : Ethnobotany
- 4 : Intellectual Property Right

### Core Course -Botany

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

### Core Course: Zoology

- 1 : Animal Diversity
- 2 : Comparative Anatomy and Development
- 3 : Physiology and Metabolism
- 4 : Genetics and Evolutionary Biology

### Core Course -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-Botony (Any two)

- 1 : Economic Biology
- 2 : Cell and Molecular Biology
- 3 : Analytical Techniques in Plant Science

- 4 : Bioinformation

- 5 : Research Methodology

- 6 : Dissertation

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

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

- 1 : Application 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

- 10 : Instrumental Methods of Analysis

- 11 : Chemistry of d-block elements, Quantum Chemistry and Spectroscopy

- 12 : Organometallics, Bioinorganic chemistry, Polynuclear hydrocarbon 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 & 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