

# SRI GURU TEGH BAHADUR KHALSA COLLEGE

(University of Delhi)

## Choice Based Credit System (CBCS)

**Course** : **B.A. (Hons.) English III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **511**

### **1. Core Course: (Compulsory):**

<b>Paper No.</b>	<b>Paper Name</b>	<b>Paper Code</b>
ENC-501	Women's Writing	<b>12031501</b>
ENC-502	British Literature: The Early 20th Century	<b>12031502</b>

### **2. Discipline Specific Elective : (DSE) - (Compulsory):**

<b>Paper No.</b>	<b>Paper Name</b>	<b>Paper Code</b>
DSE-1	Literature for Children and Young Adults (DS)	<b>12037512</b>
DSE-2	Precolonial Indian Literatures	<b>12037515</b>

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**Choice Based Credit System (CBCS)**

**Course** : **B.A. (Hons.) Hindi III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **516**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
HNC-501	Pashchatya Kavya Shastra	12051501
HNC-502	Hindi Natak / Ekanki	12051502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1	Asmitamoolak Vimarsh aur Hindi Sahitya	12057503
DSE-2	Bhartiya sahitya ki sanchipt rooprekha	12057505

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**Course** : **B.A. (Hons.) Punjabi III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **524**

### **1. Core Course: (Compulsory):**

<b>Paper No.</b>	<b>Paper Name</b>	<b>Paper Code</b>
PNC-501	Parvāsi Punjābi Literature	<b>12121501</b>
PNC-502	Theory of Literature and Indian Poetics	<b>12121502</b>

### **2. Discipline Specific Elective : (DSE) - (Compulsory):**

<b>Paper No.</b>	<b>Paper Name</b>	<b>Paper Code</b>
DSE-1	Indian Literature	<b>12127902</b>
DSE-2	World Literature	<b>12127903</b>

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**Choice Based Credit System (CBCS)**

**Course** : **B.A. (Hons.) Economics III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **510**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
ECC-501	Indian Economy-I	12271501
ECC-502	Development Economics-I	12271502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1	International Trade	12277509
DSE-2	Public Economics	12277507

\*Paper updates

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**Choice Based Credit System (CBCS)**

**Course** : **B.A. (Hons.) History III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **518**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
HSC-501	History of Modern Europe- I .....(NC)	12311503
HSC-502	History of India -VII (c. 1600-1750) .....(NC)	12311504

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
*DSE-1	History of the USA: Independence to Civil War .....(NC)	12317515
*DSE-2	History of Modern China (C.1840-1960) .....(NC)	12317512

\*DSE-1&2 arrange as per examinations date sheet.

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**Choice Based Credit System (CBCS)**

**Course** : **B.A. (Hons.) Political Science III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **527**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
PLC-501	Classical Political Philosophy	12321501
PLC-502	Indian Political Thought-I	12321502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1	Development Process and Social Movements in Contemporary India	12327903
DSE-2	Human Rights in a Comparative Perspective	12327902

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## Choice Based Credit System (CBCS)

Course : B.A. (Prog.) III<sup>rd</sup> Year

Semester : V<sup>th</sup>

Course Code : 501

### 1. Generic Elective Course – 1:

(Students are advised to take ANY ONE of the following GE-1)

Paper No.	Paper Name	Paper Code
GE-1	ENGLISH – The Individual and Society	62035512
GE-1	HINDI – Anuvadh: Veyvahar aur Siddhant	62055501
GE-1	PUNJABI – Punjabi Long Poem & Functional Punjabi	62125906
GE-1	ECONOMICS – Principles of Microeconomics	62275504
GE-1	HISTORY – Women in Indian History .....(NC)	62315515
GE-1	POLITICAL SCIENCE – Understanding Gandhi.....(NC)	62325503
GE-1	MATHEMATICS – General Mathematics – I	62355503

### 2. Ability Enhancement Elective Course (HSEC-3):

(Students are advised to take ANY ONE of the following SEC-3)

Paper No.	Paper Name	Paper Code
SEC-3	ENGLISH – Translation Studies	12033904
SEC-3	HINDI – Kaaryalayi Hindi	62053511
SEC-3	PUNJABI – CLOSED	
SEC-3	ECONOMICS – Data Analysis	62273506
SEC-3	HISTORY – Popular Culture	62313518
SEC-3	POLITICAL SC. – Your Laws, Your Rights	62323506
SEC-3	MATHEMATICS – Transportation & Network flow problems	62353506

### 3. Discipline Specific Elective : (DSE) - (Compulsory):

(Students are advised to take ANY TWO of the following)

Paper No.	Paper Name	Paper Code
DSE	ECONOMICS – Economics Development and Policy in India-I	62277503
DSE	HISTORY – Issue in 20 <sup>th</sup> Century World History – I	62317520
DSE	<b>MATHEMATICS – Statistics</b>	<b>62357503</b>
DSE	POLITICAL SCIENCE - Administration and Public Policy: Concepts and Theories	62327502
DSE	MUSIC – Theory of Indian Music and Study of ancient Granhas & Ragas	62447503

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**Choice Based Credit System (CBCS)**

**Course** : **B.Com. (Hons.) III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **504**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
CMC-501	Financial Management	22411503
CMC-502	Principles of Marketing	22411501

**2. Discipline Specific Elective-1 : (DSE-1) -  
(Compulsory)**

Paper No.	Paper Name	Paper Code
DSE-1	Management Accounting	22417501

**3. Discipline Specific Elective-2 : (DSE-2) -  
(Students are advised to take ANY ONE of the following options:)**

DSE-2	<b>Advertising and Personal Selling</b>	<b>22417514</b>
DSE-2	Financial Markets, Institutions and Financial Services	22417505



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**Choice Based Credit System (CBCS)**

**Course** : **B.Com. (Prog.) III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **503**

**1. Generic Elective Course - 1:**

**Students are advised to take ANY ONE of the following options:**

Paper No.	Paper Name	Paper Code
GE-1	ENGLISH – The Individual and Society	62035512
GE-1	HINDI – Anuvadh: Veybhar aur Siddhant	62055501
GE-1	PUNJABI – Punjabi Long Poem & Functional Punjabi	62125906
GE-1	ECONOMICS – Principles of Microeconomics	62275504
GE-1	HISTORY – Women in Indian History .....(NC)	62315515
GE-1	POLITICAL SCIENCE – Understanding Gandhi..... (NC)	62325503
GE-1	MATHEMATICS – General Mathematics – I	62355503

**2. Ability Enhancement Elective Course (SEC-3) (Compulsory):**

Paper No.	Paper Name	Paper Code
SEC	Entrepreneurship Development	52413503

**3. Discipline Specific Elective-1 : (DSE-1) (Compulsory)**

Paper No.	Paper Name	Paper Code
DSE-1	Principles of Marketing	52417502

**4. Discipline Specific Elective-2 : (DSE-2) (Compulsory)**

Paper No.	Paper Name	Paper Code
DSE-2	Fundamentals of Financial Management	52417505

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**Choice Based Credit System (CBCS)**

**Course** : **B.Sc. (Hons.) Zoology III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **569**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
ZOC-501	Molecular Biology	32231501
ZOC-502	Principles of Genetics	32231502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1	Animal Behaviour and Chronobiology	32237901
DSE-2	Immunology	32237909

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**Choice Based Credit System (CBCS)**

**Course** : **B.Sc. (Hons.) Botany III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **556**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
BTC-501	Reproductive Biology of Angiosperms	32161501
BTC-502	Plant Physiology	32161502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1	Analytical Techniques in Plant Sciences	32167503
DSE-2	Natural Resource Management	32167504

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**Choice Based Credit System (CBCS)**

**Course** : **B.Sc. (Hons.) Chemistry III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **557**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
CHC-501	Organic Chemistry IV: Biomolecules	32171501
CHC-502	Physical Chemistry V: Quantum Chemistry & Spectroscopy	32171502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
*DSE-1	Inorganic materials of industrial importance	32177902
*DSE-2	Green Chemistry	32177908

\*DSE 1 & 2 order set as per chemistry dept. notification Nov, 2017.

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**Choice Based Credit System (CBCS)**

**Course** : **B.Sc. (Hons.) Physics III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **567**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
PHC-501	Quantum Mechanics and Applications	32221501
PHC-502	Solid State Physics	32221502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1	Astronomy & Astrophysics	32227506
DSE-2	Linear Algebra & Tensor Analysis	32227519

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## Choice Based Credit System (CBCS)

**Course** : **B.Sc. (Hons.) Electronics III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **558**

### **1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
ELC-501	Microprocessors and Microcontrollers	32511501
ELC-502	Electro magnetics	32511503

### **2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1	Power Electronics	32517909
DSE-2	Semiconductor Fabrication and Characterization	32517902

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**Choice Based Credit System (CBCS)**

**Course** : **B.Sc. (Hons.) Mathematics III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **563**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
MAC-501	Metric Spaces	32351501
MAC-502	Group Theory-II	32351502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
*DSE-1	Numerical Methods (including practical's)	32357501
*DSE-2	Probability Theory and Statistics	32357507

*\*DSE 1 & 2 Order set as per syllabus.*

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**Choice Based Credit System (CBCS)**

**Course** : **B.Sc. (Prog.) Life Science III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **583**

**1. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1 A	ZOOLOGY – Applied Zoology	42237905
DSE-2 A	CHEMISTRY – Chemistry of d-block elements, Quantum Chemistry and Spectroscopy	42177925
DSE-3 A	BOTANY – Cell & Molecular Biology	42167902

**2. Ability Enhancement Elective Course (SEC-3) - (Compulsory)**  
(Students are advised to take ANY ONE of the following options)

Paper No.	Paper Name	Paper Code
SEC-3	ZOOLOGY – Apiculture ( <i>only practical</i> )	32233901
SEC-3	CHEMISTRY – Green Methods in Chemistry	32173908
SEC-3	MATHEMATICS – Transportation and Network Flow Problems	42353504



**Choice Based Credit System (CBCS)**

**Course** : **B.Sc. (Prog.) Physical Science III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **582**

**( Section - A )**

**1. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1 A	MATHEMATICS – Differential Equations	42357501
DSE-2 A	CHEMISTRY – Chemistry of d-block elements, Quantum chemistry and Spectroscopy	42177925
DSE-3 A	PHYSICS – Elements of Modern Physics	42227929

**2. Ability Enhancement Elective Course (SEC-3):**

*(Students are advised to take ANY ONE of the following options)*

Paper No.	Paper Name	Paper Code
SEC-3	PHYSICS – Electrical circuit and network skills	32223903
SEC-3	CHEMISTRY – Green Methods in Chemistry	32173908
SEC-3	MATHEMATICS – Transportation and Network Flow Problems	42353504

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**Choice Based Credit System (CBCS)**

**Course** : **B.Sc. (Prog.) Physical Science III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **582**

**( Section - C )**

**1. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1 A	MATHEMATICS – Differential Equations	42357501
DSE-2 A	COMPUTER SCIENCE – Data Structures	42347501
DSE-3 A	PHYSICS – Elements of Modern Physics	42227929

**2. Ability Enhancement Elective Course (SEC-3):**

**(Students are advised to take ANY ONE of the following options)**

Paper No.	Paper Name	Paper Code
SEC-3	PHYSICS – Electrical circuit and network skills	32223903
SEC-3	CHEMISTRY – Green Methods in Chemistry	32173908
SEC-3	MATHEMATICS – Transportation and Network Flow Problems	42353504

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**Choice Based Credit System (CBCS)**

**Course** : **B.A. (H) Business Economics III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **508**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
BEC-501	Quantitative Techniques for Management	12481501
BEC-502	Organizational Behavior	12481502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1	Consumer Behaviour and Advertising	12487917
DSE-2	Security Analysis and Portfolio Management	12487909

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**Choice Based Credit System (CBCS)**

**Course** : **B.Sc. (H) Computer Science III<sup>rd</sup> Year**  
**Semester** : **V<sup>th</sup>**  
**Course Code** : **570**

**1. Core Course: (Compulsory):**

Paper No.	Paper Name	Paper Code
CSC-501	Internet Technologies	32341501
CSC-502	Theory of Computation	32341502

**2. Discipline Specific Elective : (DSE) - (Compulsory):**

Paper No.	Paper Name	Paper Code
DSE-1	System Programming	32347501
DSE-2	Microprocessor	32347504

\*DSE 1 & 2 order set as per CS LOCF syllabus w.e.f. 2019 onwards.