**CONVENT OF JESUS AND MARY, DEHRADUN**

**Final Examination Syllabus Class XI (11)**

**MATHS**

Chapter 2: relation and functions
Chapter 5: compound and multiple angles
Chapter 9: permutations and combinations
Chapter 10: binomial theorem
Chapter 11: sequence and series
Chapter 14: circle
Chapter 15: parabola
Chapter 16: ellipse
Chapter 17: hyperbola
Chapter 18: introduction to 3-D geometry
Chapter 19: limits
Chapter 20: differentiation
Chapter 22: probability

**ECONOMICS**

1. Basic Problem of an Economy
2. Types of Economies
3. Solutions to the Basic Economic Problems under Different Economic System
4. Sustainable Development
5. Planning and Economic Development in India
6. Indian Economy Post Liberalisation
7. Structural Changes in the Indian Economy after Liberalisation
8. The Problem of Poverty in India
9. Profile of Indian Agriculture
10. Human Capital Formation in India
11. Unemployment in India
12. Measures of Dispersion
13. Correlation
14. Index Number
15. Some Mathematical Tools Used in Economics

**ENGLISH LANGUAGE**

1. Composition
* Narrative
* Descriptive
* Reflective
* Argumentative
* Expository
* Story Writing

2. Directed Writing
* Article Writing
* Speech Writing
* Statement of Purpose
* Report Writing (All Types)
* Book Review
* Blog Writing

3. Proposal Writing

4. Functional Grammar
* Transformation of Sentences
* Phrasal Verbs and Prepositions
* Tenses

5. Comprehension

**ENGLISH LITERATURE**

PROSE
1. A Living God
2. An Advice to Youth
3. The Paper Menagerie
4. Thank You, Ma'am
5. The Great Automatic Grammatizator

POETRY
1. Abhisara: The Tryst
2. Why I Like the Hospital

3. Sonnet 116
4. Death of a Naturalist
5. Strange Meeting

DRAMA
Macbeth – William Shakespeare
* Act I
* Act II

**HISTORY**

Indian History
1) Growth of Nationalism
2) Emergence of the Colonial Economy
3) Social Movements
4) Protest Movements against Colonial Rule
5) Gandhian Nationalism- 1916 to 1922
6) Gandhian Nationalism- 1927 to 1937

World History
1) World War I
2) Peace Settlements after World War I
3) The Great Depression
4) Rise of Communism: Russia (1928 to 1939)
5) Rise of Fascism: Italy (1919 to 1939)
6) Rise of Nazism: Germany ( 1933 to 1939)
7) Rise of Militarism: Japan ( 1919 to 1937)

**HINDI**

*पुस्तक- गद्य संकलन
पाठ 1 पुत्र-प्रेम
पाठ 2- गौरी
पाठ 3- शरणागत
पाठ 4- सती
पाठ 5- आउटसाइडर

*पुस्तक- काव्य मंजरी

पाठ 1- साखी- कबीर
पाठ 2- एक फूल की चाह
पाठ 3- बाललीला-सूरदास
पाठ 4- आ धरती कितना देती है।
पाठ 5- नदी के द्वीप

*पुस्तक- सारा आकाश
अध्याय 1-10- पूर्वाद्ध

*पुस्तक-आषाढ़ का एक दिन
अंक-1
व्याकरण- निबंध, अपठित गद्यांश, मुहावरे- अर्थ, वाक्य प्रयोग, मुहावरों को शुद्ध करो।
अशुद्ध वाक्य को शुद्ध करो।

**BIOLOGY**

Chapter 4-: Animal Kingdom
Chapter 5-: Morphology of flowering plants
Chapter 6-: Anatomy of Flowering Plants
Class 7-: Morphology & Anatomy of Frog
Chapter 9-: Biomolecules
Chapter 10-: Cell Division( Meiosis)
Chapter 13-: Photosynthesis in Higher plant
Chapter 14-: Respiration in Plants
Chapter 17-: Breathing and exchange of gases
Chapter 18-: Body fluids and circulation
Chapter 19-: Excretory Products and their elimination
Chapter 20-: Locamotion and movement
Chapter 21-: Neural control and coordination
Chapter 22-: Chemical Coordination

**PSYCHOLOGY**

Chapter 3 - Attention and Perception
Chapter 4 - Emotion and Motivation
Chapter 5 - Learning
Chapter 6 - Remembering and Forgetting
Chapter 7 - Thinking, Problem Solving and Creativity

**ENVIRONMENTAL SCIENCE**

Chapter 1-: Environment-The Foundation of Life
Chapter 2-: Modes of Existence
Chapter 3-: Ecology
Chapter 4-: Pollution
Chapter 5-: Legal Regimes for Sustainable Development
Chapter 6-: Technology and Environment
Chapter 7-: Design Planning For Environmental Conservation and Protection

**CHEMISTRY**

Unit 1.Some basic concepts of chemistry .
Unit 2.Structure of Atom.
Unit 4.Chemical Bonding and Molecular Structure.
Unit 5 Chemical Thermodynamics
Unit 7.Redox reactions .
Unit 8 Organic Chemistry :Some Basic Principles and Techniques.
Unit 9.Hydrocarbons.

**COMPUTER**

Section A :
1.System of numeration
3. Propositional calculus(3.1 and 3.2 both)

Section B:
chapter 4(Introduction to OOP)
Chapter 5(Objects)
Chapter 6(Primitive values ,wrapper class, type casting)
Chapter 7(Variables and expression)
Chapter 8(Statements and scope)
Chapter 9(Arrays, Strings)
Chapter 10( Methods and constructors)

Section C: Python programming
Unit 12( chapters 12.1,12.2,12.3,12.4,12.5 and 12.6)
13. Trends in Computing and ethical issues

**ACCOUNTANCY**

1. Introduction to Accounting
2. Accounting Concepts
3. Journal, Ledger and Trial Balance
4. Bank Reconciliation Statement
5. Depreciation
6. Bills of Exchange
7. Final Accounts and Concept of Trading, Profit and Loss account and Balance Sheet (with and without adjustments), Marshalling of Balance Sheet
8. Rectification of Errors
9. Accounting for Not-for-profit-Organisation
10. Computerised Accounting System (CAS)

**BUSINESS STUDIES**

Unit 1.
<u>Business: Purpose and Classification</u>

A. Business objectives: Economic and social; Role of Profit in business.
B. Classification of business activities:

(a) Industry
(b) Commerce

C. Business Ethics and Corporate Social Responsibility

Unit 2. <u>Forms and Types of Business Organisation</u>

A. Forms and types of business organisations
B. Sole Proprietorship
C. Partnership
D. Corporate Organisations
E. Co-operative organisations

Unit 3. <u>Contemporary and Evolving Modes of Business.</u>

A. E-Business

B. E-Commerce
C. Q-Commerce
D. E- Banking

Unit 4 Domestic Trade

A. Wholesale Trade
B. Retail Trade
C. Omnichannel Trade/Retailing
D. Types of Retail Trade

Unit 5 Business Risks and Insurance

A. Insurable and non-insurable
B. Insurance

(I) Meaning and features of insurance.
(II) Principles of insurance.

C. Concept of re-insurance and double insurance.
D. Types of insurance

**PHYSICS**

** Measurements
** Dimensions
** Vectors
** Kinematics of one dimensional motion
** Newton's laws of motion
** Friction
** Dynamics of Circular motion
** Rotational Motion
** Gravitation
** Fluids in motion
** Surface Tension
** Elasticity
** Internal Energy
** Thermal Conduction
** Radiation
** Oscillations

**FINE ARTS**

1. Still Life painting
2. Nature Study Painting
3. Craft paper