

Dr. Virendra Swarup Education Centre, Panki, Kanpur

Pre-Board 2022 Syllabus

Class XII- Science

PHYSICS

- Chapter 1. Electric charges and fields
- Chapter 2. Electrostatic potential and capacitance
- Chapter 3. Current electricity
- Chapter 4. Moving charges and magnetism
- Chapter 5. Magnetism and matter
- Chapter 6. Electromagnetic induction
- Chapter 7. Alternating currents
- Chapter 8. Electromagnetic waves
- Chapter 9. Ray optics and optical instruments
- Chapter 10. Wave optics
- Chapter 11. Dual nature of radiation and matter
- Chapter 12. Atoms
- Chapter 13. Nuclei
- Chapter 14. Semiconductor and electronic devices

Chemistry

- 1. Solutions
- 2. Electrochemistry
- 3. Chemical kinetics
- 4. d and f block elements
- 5. Coordination compounds
- 6. Haloalkanes and haloarenes
- 7. Alcohols Phenols and ethers
- 8. Aldehydes ketones and carboxylic acids
- 9. Amines
- 10. Biomolecules

Mathematics (041)

- Ch-1 Relation and function
- Ch-2 Inverse trigonometric functions
- Ch- 3 Matrix
- Ch- 4 Determinants
- Ch - 5 continuity and differentiability
- Ch-6 Application of derivatives
- Ch-7 Integration - (a) Indefinite. (b) Definite
- Ch -8 Application of integration
- Ch -9 Differential equation
- Ch-10 Vector Algebra
- Ch -11 Straight line in space (3D)
- Ch -12 Linear programming problem
- Ch - 13 Probability

Biology

- Ch2: Sexual reproduction in flowering plants
- Ch3: Human reproduction
- Ch4: Reproductive health
- Ch5: Principles of Inheritance and Variations
- Ch6: Molecular inheritance
- Ch7: Evolution
- Ch:8 Human Health and Diseases
- Ch10: Microbes in human Welfare
- Ch11: Biotechnology - principles and processes
- Ch12: Biotechnology and it's applications

- Ch13: Organisms and Populations
- Ch14: Ecosystem
- Ch15: Biodiversity and it's conservation

हिन्दी पाठ्यक्रम-

हिन्दी गद्यखण्ड

1. भक्तिन
 2. बाज़ार दर्शन
 3. काले मेघा पानी दे
 4. पहलवान की ढोलक
 5. शिरीष के फूल
 6. श्रम-विभाजन और जातिप्रथा
- मेरी कल्पना का आदर्श समाज

हिन्दी काव्यखण्ड

1. आत्म परिचय,दिन जल्दी-जल्दी
ढलता है।(एक गीत)
 2. पतंग
 3. कविता के बहाने,बात सीधी थी पर
 4. कैमरे में बंद अपाहिज
 5. उषा
 6. बादल राग
 7. कवितावली,लक्ष्मण मूर्च्छा और राम का विलाप
 - 8 रुबाइयाँ
 - 9 छोटा मेरा खेत,बगुलों के पंख
- वितान
1. सिल्वर वेडिंग
 2. जूझ
 3. अतीत में दबे पाँव
- व्याकरण
1. अपठित गद्यांश
 2. अपठित काव्यांश
 3. जनसंचार
 4. कहानी का नाट्य रूपांतरण
 5. रेडियो नाटक
 6. अप्रत्याशित विषयों पर लेखन से संबंधित प्रश्न
 7. अनुच्छेद लेखन

ENGLISH CORE**Section A Reading Skills**

- I. One unseen passage to assess comprehension, interpretation and inference.
 II. One unseen case-based passage with verbal/visual inputs like statistical data, charts etc.

Section B**III. Creative Writing Skills****Notice**

Formal/Informal Invitation and Reply

Letters based on verbal/visual input

Letter for a job with bio data or resume

Letters to the editor

Article/ Report Writing

Section C Literature**Flamingo:**

- The Last Lesson
- Lost Spring
- Deep Water
- The Rattrap
- Indigo
- Poets and Pancakes
- The Interview
- Going Places

(Poetry)

- My Mother at Sixty-Six
- Keeping Quiet
- A Thing of Beauty
- A Roadside Stand
- Aunt Jennifer's Tigers

Vistas:

- The Third Level
- The Tiger King
- Journey to the end of the Earth
- The Enemy
- On the Face of It
- Memories of Childhood
- The Cutting of My Long Hair
- We Too are Human Beings

Economics

Unit 1 - National Income and Related Aggregates

Unit 2 - Money and Banking

Unit 3 - Determination of Income and Employment

Unit 4 - Government Budget and the Economy

Unit 5 - Balance of Payments

Unit 6 - Development Experience (1947-90) and Economic Reforms since 1991

Unit 7 - Current Challenges facing Indian Economy

Unit 8 - Development Experience of India - A Comparison with Neighbours

Computer Science New(083)

1. Python Revision Tour I & II
2. Functions
3. Library Function & Modules
4. File Handling
5. Data Structures
6. Database Concepts & SQL
7. Python Interface with MYSQL
8. Networking

Date Sheet Pre-Board-2022-23**Class-12 (Science)**

Date	Day	Cl.XII (Science)
17.12.22	Saturday	English
19.12.22	Monday	Hindi/Computer
21.12.22	Wednesday	Economics
24.12.22	Saturday	Chemistry
27.12.22	Tuesday	Maths/Biology
30.12.22	Friday	Physics

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Pre-Board 2022 Syllabus

Class XII-Commerce

ACCOUNTANCY

1. Accounting for Partnership firms - Fundamentals.
2. Change in profit sharing ratio among the existing partners.
3. Admission of a Partner.
4. Retirement of a Partner.
5. Dissolution of a Partnership firm.
6. Issue of shares.
7. Issue of Debentures.
8. Financial statements of a Company.
9. Financial statements analysis.
10. Accounting Ratios.
11. Cash flow statement.

BUSINESS STUDIES

1. Nature and significance of Management.
2. Principles of Management.
3. Business Environment.
4. Planning.
5. Organising.
6. Staffing.
7. Directing.
8. Controlling.
9. Business finance
10. Financial Market's.
11. Marketing.
12. Consumer Protection.

Applied Mathematics

1. Numbers, Quantification and Numerical Applications
2. Numerical Inequalities
3. Matrices
4. Determinants
5. Differentiation
6. Applications of Derivatives
7. Integrals
8. Differential Equations
9. Probability
10. Inferential Statistics
11. Index Numbers and Time-based Data
12. Perpetuity, Sinking Funds, Bonds and EMI
14. Returns, Growth and Depreciation.
15. Linear Programming

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