



NPS INTERNATIONAL, MYSORE
ACADEMIC YEAR 2023-24

PORTIONS FOR PREPARATORY EXAMINATION
CLASS 12

Subject
<p>English: Reading Comprehension through Unseen Passages, Writing Task: Notice, Formal/Informal Invitation and Reply, Letters based on verbal/visual input, Application for a job with bio data, Article, Report Writing, Flamingo: (Prose) 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.</p>
<p>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 Current 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 Electronics: Materials, Devices and Simple Circuits</p>
<p>Chemistry: Chapter 2 Solutions Chapter 3 Electrochemistry Chapter 4 Chemical Kinetics Chapter 8 The d & f Block Elements Chapter 9 Coordination Compounds Chapter 10 Haloalkanes and Haloarenes Chapter 11 Alcohols, Phenols, and Ethers Chapter 12 Aldehydes, Ketones, and Carboxylic Acids Chapter 13 Amines Chapter 14 Biomolecules</p>



Subject

1. Relations and functions
2. Inverse Trigonometry
3. Matrices
4. Determinants
5. Continuity and differentiability
6. Application of derivatives
7. Integration
8. Application of integration
9. Differential equation
10. 3 dimensional geometry
11. Vector algebra
12. LPP
13. Probability

Biology:

Chapter 2 - Sexual reproduction in flowering plants
Chapter 3 - Human Reproduction
Chapter 4 - Reproductive Health
Chapter 5 - Principles of Inheritance
Chapter 6 - Molecular Basis of Inheritance
Chapter 7 - Evolution
Chapter 8 - Human Health and diseases
Chapter 10 - Microbes in human welfare,
Chapter 11- Biotechnology principles and processes
Chapter 12 - Biotechnology and its applications
Chapter 13 - Organisms and population,
Chapter 14 - Ecosystem
Chapter 15 - Biodiversity and Conservation

Computer Science:

Unit 1- Computational Thinking and Programming.
Unit 2 - Computer Networks
Unit 3 - Database Management System

Accountancy:

Unit 1. Accounting for Partnership Firms
Unit 2. Accounting for Companies
Unit 3. Analysis of Financial Statements
Unit 4. Cash Flow Statement



Subject

Business Studies:

Part A Principles and Functions of Management
Chapter -1 Nature and Significance of Management
Chapter -2 Principles of Management
Chapter -3 Business Environment
Chapter -4 Planning
Chapter -5 Organising
Chapter -6 Staffing
Chapter -7 Directing
Chapter -8 Controlling
Part B Business Finance and Marketing
Chapter -9 Financial Management
Chapter -10 Financial Markets
Chapter -11 Marketing Management
Chapter -12 Consumer Protection

Entrepreneurship:

Unit – 1: Entrepreneurial Opportunity
Unit – 2: Enterprise Planning
Unit – 3: Enterprise Marketing
Unit – 4: Enterprise Growth Strategies
Unit – 5: Business Arithmetic
Unit – 6: Resource Mobilization

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



Subject

Political Science:

PART A-CONTEMPORARY WORLD POLITICS

- 1_The End of Bipolarity
2. Contemporary Centres of Power
- 3 Contemporary South Asia
- 4 International Organizations
- 5 Security in the Contemporary World
- 6 Environment and Natural Resources
- 7 Globalisation

PART B-POLITICS IN INDIA SINCE INDEPENDENCE

- 1.Challenges of Nation-Building
- 2 Era of One-Party Dominance
- 3 Politics of Planned Development
- 4 India's External Relations 20 6
- 5 Challenges to and Restoration of the Congress System
- 6 The Crisis of Democratic Order
- 7 Regional Aspirations
- 8 Recent Developments in Indian Politics

History:

Bricks, Beads and Bones,
Kings, Farmers and Towns,
Kingship, Caste and class,
Thinkers, Beliefs and Buildings,
Through the eyes of Travellers,
Bhakti-Sufi Traditions,
An Imperial Capital – Vijayanagar,
Peasants, zamindars and the States,
Colonialism and The Countryside,
Rebels and Raj,
Mahatma Gandhi and the National Movement,
Framing of the Constitution
(Including Map work of the related Themes)

Psychology :

1. Variations in Psychological Attributes
2. Self and Personality
3. Meeting Life Challenges
4. Psychological Disorders
5. Therapeutic Approaches
6. Attitude and Social Cognition
7. Social Influence and Group Processes