



NPS INTERNATIONAL, MYSORE
ACADEMIC YEAR - 2024-25
PORTIONS FOR CLASS XII
PREPARATORY EXAMINATION

Subject
<p>English: Reading Comprehension through Unseen Passages</p> <p>Creative Writing Skills-</p> <ul style="list-style-type: none">• Notice,• Formal/Informal Invitation and Reply,• Letters based on verbal/visual, application for a job with bio data or resume.• Letters to the editor (giving suggestions or opinion on issues of public interest). One out of the two given questions to be answered.• Article/ Report Writing, <p>Literature: Prose- Flamingo-</p> <ol style="list-style-type: none">1. The Last Lesson2. Lost Spring3. Deep Water4. The Rattrap5. Indigo6. Poets and Pancakes7. The Interview8. Going Places <p>(Poetry) 1. My Mother at Sixty-Six</p> <ol style="list-style-type: none">2. Keeping Quiet3. A Thing of Beauty4. A Roadside Stand5. Aunt Jennifer's Tigers <p>Vistas: 1. The Third Level</p> <ol style="list-style-type: none">2. The Tiger King3. Journey to the End of the Earth4. The Enemy5. On the Face of It6. Memories of Childhood



Subject
<p><u>Physics:</u> 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><u>Chemistry:</u> Chapter 1: Solutions Chapter 2: Electrochemistry Chapter 3: Chemical Kinetics Chapter 4: The d & f Block Elements Chapter 5: Coordination Compounds Chapter 6: Haloalkanes and Haloarenes Chapter 7: Alcohols, Phenols, and Ethers Chapter 8: Aldehydes, Ketones, and Carboxylic Acids Chapter 9: Amines Chapter 10: Biomolecules</p> <p><u>Math:</u> Chapter 1: Relations and Functions Chapter 2: Inverse Trigonometric Functions Chapter 3: Matrices Chapter 4: Determinants Chapter 5: Continuity and Differentiation Chapter 6: Application of Derivatives Chapter 7: Integrals Chapter 8: Applications of integrals Chapter 9: Differential equations Chapter 10: Vector algebra Chapter 11: Three dimensional geometry Chapter 12: Linear programming Chapter 13: Probability</p>



Subject
<p><u>Biology:</u></p> <p>Chapter 1 – Sexual Reproduction in flowering plants</p> <p>Chapter 2 – Human reproduction</p> <p>Chapter 3 – Reproductive Health</p> <p>Chapter 4 – Principles of Inheritance</p> <p>Chapter 5 – Molecular Basis of Inheritance</p> <p>Chapter 6 - Evolution</p> <p>Chapter 7 – Human health and diseases</p> <p>Chapter 8 - Microbes in human welfare</p> <p>Chapter 9 - Biotechnology – Principles and Processes</p> <p>Chapter 10 - Biotechnology and its applications</p> <p>Chapter 11 - Organisms and Populations</p> <p>Chapter 12 - Ecosystem</p> <p>Chapter 13 - Biodiversity and its conservation</p>
<p><u>Computer Science:</u></p> <p>Unit 1 - Computational Thinking and Programming II</p> <p>Unit 2 - Computer Networks</p> <p>Unit 3 - Database Management Systems</p>
<p><u>Accountancy:</u></p> <p>Chapter 1: Fundamentals of Partnership firm</p> <p>Chapter 2: Nature and Valuation of Goodwill</p> <p>Chapter 3: Change in Profit Sharing ratio</p> <p>Chapter 4: Admission of a Partner</p> <p>Chapter 5: Retirement or Death of a partner</p> <p>Chapter 6: Dissolution of Partnership</p> <p>Chapter 7: Accounting for share capital</p> <p>Chapter 8: Issue of debentures</p> <p>Chapter 9: Financial Statement Analysis</p> <p>Chapter 10: Financial Statements of Company</p> <p>Chapter 11: Statement Analysis Tools</p> <p>Chapter 12: Accounting Ratios</p> <p>Chapter 13: Cash Flow Statement</p>



Subject

Economics:

Macroeconomics:

Chapter 1- Introduction

Chapter 2- Some basic concepts of Macroeconomics

Chapter 3-National Income and related aggregates

Chapter 4- Methods of calculating national income

Chapter 5-Money

Chapter 6-Banking

Chapter 7- Aggregate demand, Aggregate supply and related concepts

Chapter 8-Short run equilibrium output

Chapter 9-Problem of deficient demand and excess demand

Chapter 10- Government Budget and the economy

Chapter 11-Foreign Exchange rate

Chapter 12-Balance of Payments

Indian Economic Development:

Chapter 1-Indian economy on the eve of independence

Chapter 2-Indian Economy (1950-1990)

Chapter 3-Economic reforms since 1990

Chapter 4-Human Capital Formation in India

Chapter 5- Rural Development

Chapter 6-Employment

Chapter 7- Environment and Sustainable development

Chapter 8-Comparative development experiences of India and its neighbouring countries

Business Studies:

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

Chapter -9 Financial Management

Chapter -10 Financial Market

Chapter -11 Marketing Management

Chapter -12 Consumer Protection

Entrepreneurship:

Unit 1: Entrepreneurial Opportunity

Unit 2: Entrepreneurial Planning

Unit 3: Enterprise Marketing

Unit 4: Enterprise Growth Strategies

Unit 5: Business Arithmetic

Unit 6: Resource Mobilization



Subject
<p><u>Political Science:</u></p> <p>Book 1</p> <p>Chapter 1 The End of Bipolarity</p> <p>Chapter 2 Contemporary Centres of Power</p> <p>Chapter 3 Contemporary South Asia</p> <p>Chapter 4 International Organizations</p> <p>Chapter 5 Security in the Contemporary World</p> <p>Chapter 6 Environment and Natural Resources</p> <p>Chapter 7 -Globalisation</p> <p>Book 2</p> <p>Chapter 1 Challenges of Nation-Building</p> <p>Chapter 2 Era of One-Party Dominance</p> <p>Chapter 3 Politics of Planned Development</p> <p>Chapter 4 India's External Relations</p> <p>Chapter 5 Challenges to and Restoration of the Congress System</p> <p>Chapter 6 The Crisis of Democratic Order</p> <p>Chapter 7 Regional Aspirations</p> <p><u>Chapter 8 Recent Developments in Indian Politics</u></p>
<p><u>History:</u> Chapter-1: Bricks, Beads and Bones,</p> <p>Chapter-2: Kings, Farmers and Towns,</p> <p>Chapter-3: Kingship, Caste and class,</p> <p>Chapter-4: Thinkers, Beliefs and Buildings,</p> <p>Chapter-5: Through the eyes of Travellers,</p> <p>Chapter-6: Bhakti-Sufi Traditions,</p> <p>Chapter-7: An Imperial Capital – Vijayanagar,</p> <p>Chapter-8: Peasants, zamindars and the States,</p> <p>Chapter-9: Colonialism and The Countryside,</p> <p>Chapter-10: Rebels and Raj,</p> <p>Chapter-11: Mahatma Gandhi and the National Movement,</p> <p>Chapter-12: Framing of the Constitution</p> <p>(Including Map work of the related Themes)</p>
<p><u>Psychology:</u></p> <p>Chapter 1- Variations in Psychological Attributes</p> <p>Chapter 2- Self and Personality</p> <p>Chapter 3 - Meeting Life Challenges</p> <p>Chapter 4- Psychological Disorders</p> <p>Chapter 5- Therapeutic Approaches</p> <p>Chapter 6- Attitudes and Social Cognition</p> <p>Chapter 7- Social influences and Group Processes</p>









