



NPS INTERNATIONAL, MYSORE
ACADEMIC YEAR 2022-23

PORTIONS FOR PREPARATORY EXAMINATION
CLASS 12

Subject
<p>English: Reading Comprehension, Writing : Notice, Formal/Informal Invitation and Reply, Article Writing, Report Writing, Letter to Editor, Job Application. Literature: 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: 1. Electrostatics 2. Current electricity 3. Magnetic effect of current and magnetism 4. Electromagnetic induction and alternating currents 5. Electromagnetic waves 6. Optics 7. Dual nature of radiation and matter 8. Atoms and Nuclei 9. Semiconductor Electronics</p>
<p>Chemistry: Solutions, Chemical Kinetics, Electrochemistry, d and f Block, Coordination Compounds, Haloalkanes & Haloarenes, Aldehydes, Ketones and Carboxylic acids, Alcohols, Phenols & Ethers, Amines, Biomolecules. Learn from Text Book and jotter notes.</p>
<p>Mathematics: Chapter 1 Relations and Functions. Chapter 2 Inverse Trigonometric Functions. Chapter 3 Matrices. Chapter 4 Determinants. Chapter 5 Continuity and Differentiability. Chapter 6 Applications 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
Biology: Chapter 2. Sexual Reproduction in Flowering Plants Chapter 3. Human Reproduction Chapter 4. Reproductive Health Chapter 5. Principles of Inheritance and Variation 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 Application Chapter 13 Organisms and Populations Chapter 14 Ecosystem Chapter 15 Biodiversity and Conservation (Learn from the text book, jotter notes and supplementary material)
Computer Science: Unit 1 - Computational Thinking and Programming -2 and Unit 3 - Database Management
Accountancy: Unit 2.Accounting for Partnership Firms(Chapters 2,3,4,5,6,7 and 8) Unit 3. Accounting for Companies (Accounting for Share capital) Unit 4. Analysis of Financial Statements Unit 5. Cash flow statement
Business Studies: Ch-1: Nature and significance of Management Ch-2. Principles of Management Ch-3. Business Environment Ch-4: Planning Ch-5 :Staffing Ch-6: Organising Ch-7: Directing Ch-8: Controlling Ch-9:Financial Management Ch-10: Financial Markets Ch-11: Marketing Management Ch-12: Consumer Protection
Entrepreneurship: Unit 1 Entrepreneurial opportunities, Unit 2 : Enterprise planning, Unit 3: Enterprise marketing, Unit 4: Enterprise growth strategies, Unit 5: Business Arithmetic, Unit 6: Resource Mobilization
Economics: Macroeconomics: 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 Indian Economic Development: 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

- 1.The End of Bipolarity
- 2 New Centres of Power
- 3 Contemporary South Asia
- 4 United Nations and its Organizations
- 5 Security in Contemporary World
- 6 Environment and Natural Resources
- 7 Globalization

PART B

- 1.Challenges of Nation-Building
- 2 Planned Development
- 3 India's Foreign Policy
- 4 Parties and Party System in India
- 5 Democratic Resurgence
- 6 Regional Aspirations
- 7 Indian Politics: Recent Trends and Development

History: Theme-1: Bricks, Beads and Bones, Theme-2:Kings, Farmers and Towns, Theme-3: Kinship, Caste and Class, Theme-4: Thinkers, Beliefs and Buildings, Theme-5: Through the Eyes of Travellers, Theme-6:Bhakthi and Sufi traditions, Theme-7: An Imperial Capital Vijayanagara, Theme-8: Peasants, Zamindars and The States, Theme-10: Colonialism and the Countryside, Theme-11: Rebels and the Raj, Theme-13: Mahatma Gandhi and the Nationalist Movement, Theme-15: Framing the Constitution.

Psychology: I Variations in Psychological Attributes

- II Self and Personality
- III Meeting Life Challenges
- IV Psychological Disorders
- V Therapeutic Approaches
- VI Attitude and Social Cognition
- VII Social Influence and Group Processes