



NPS INTERNATIONAL, MYSORE
ACADEMIC YEAR - 2018-19

PORTIONS FOR CLASS XII PREPARATORY
EXAM

Subjects

English: Reading- Comprehension, Notemaking, **Writing-** Business Letters(making enquiries, complaints, asking or giving information, placing order and sending replies), Letter to Editor, Job application, Notice, Poster, Formal and Informal Invitation and replies, Advertisements, Debate, Speech, Article writing, Report writing. **Literature- Flamingo-** The Last Lesson, The Lost Spring, Deep Water, The Rat Trap, Indigo, Going Places, An Elementary School Classroom in a Slum, My Mother at Sixty-six, Keeping Quiet, A Thing of Beauty, Aunt Jennifer's Tigers. **Vistas-** The Tiger King, The Enemy, Should Wizard Hit Mommy, On the Face of it, Evans tries an O Level, Memories of Childhood. **Novel-** Silas Marner - whole novel.

Physics: Part1: Ch1: Electric Charges And Fields, Ch2: Electrostatic Potential And Capacitance, Ch3: Current Electricity, Ch4: Moving Charges And Magnetism, Ch5: Magnetism and Matter, Ch6: Electromagnetic Induction, Ch7: Alternating Current, Ch8: Electromagnetic Waves. **Part2:** Ch9: Ray Optics And Optical Instruments, Ch10: Wave Optics, Ch11: Dual Nature Of Radiation And Matter, Ch12: Atoms, Ch 13: Nuclei, Ch14: Semiconductor Electronics, Ch15: Communication Systems

Chemistry: Part I - Solid States, Solutions, Electrochemistry, Chemical Kinetics, Surface Chemistry, General Principles and Processes of Isolation of Elements, P-block elements, d and f block elements, Co-ordination Compounds, Part -II Haloalkanes and Haloarenes, alcohols, Phenols and ethers, Aldehydes, Ketones and Acids, Amines, Biomolecules, Polymers, Chemistry in Everyday Life.

Math: Unit-I: Relations and Functions
Unit-II: Algebra
Unit-III: Calculus
Unit-IV: Vectors and Three-Dimensional Geometry
Unit-V: Linear Programming
Unit-VI: Probability

Entrepreneurship: Chapter 1- Entrepreneurial Opportunity, Chapter 2- Entrepreneurial Planning, Chapter 3- Enterprise Marketing, Chapter 4- Enterprise Growth Strategies, Chapter 5- Business Arithmetic, Chapter 6- Resource Mobilization

Biology: Unit I- Reproduction, Unit II - Genetics and Evolution, Unit III- Biology in Human Welfare, Unit IV - Biotechnology, Unit V- Ecology (Learn from Text book, Notes, Question Bank and supplementary material)



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Subjects
Computer Science: Unit 1: Object Oriented Programming in C++ Unit 2: Data Structures Unit 3: Database Management System and SQL Unit 4: Boolean Algebra Unit 5: Communication Technologies
Accountancy: Unit 1 Accounting for Companies; Unit 2 Accounting for Partnership Firms; Unit 3 Financial Statement Analysis
Economics: Micro Economics: Unit 1 - Introduction; Unit 2 consumer;s Equilibrium and Demand; Unit 3 Producer Behaviour and Supply; Unit 4 Forms of Market and Price Determination under Perfect Competition. Macro Economics: Unit 5 National Income and Related Aggregates; Unit 6 Money and Banking; Unit 7 Determination of Income and Employment; Unit 8 Government Budget and the Economy; Unit 9 Balance of Payments
Business Studies: Unit-1 Nature and Significance of Management Unit 2- Principles of Management Unit 3- Business Environment Unit 4- Planning Unit 5- Organising Unit 6- Staffing Unit 7- Directing Unit 8- Controlling Unit 9 - Financial Management Unit 10- Financial Markets Unit 11 Marketing Management Unit 12 - Consumer Protection