

## **SYLLABUS FOR INET FOR OFFICERS' ENTRIES**

### **Section 1 – English (25 Marks)**

Comprehension, Usage of Words, Sentence completion / Corrections, Punctuations, Grammar, Vocabulary, Antonyms and Synonyms, Parts of Speech, Direct and Indirect Speech, Idioms and Phrases, Active and Passive Voice.etc (Question paper will be designed to test the candidates' understanding of English and workmanlike use of Grammar)

### **Section 2 –Reasoning and Numerical Ability (25 Marks)**

Spatial, Numerical, Reasoning and Associative Ability, Sequences, Spellings, Unscrambling, Coding and Decoding, Missing Numbers / Series Completion, Decimal Fraction, Ratios and Proportion, Average and Volume, Time and Work, Speed and Distance, Market Price, Cash Price, Expenditure Problems, Profit and Loss, Percentage, Factoring (LCM and HCF), Simple Interest and Compound Interest, Mensuration Formulas (Calculation of length, breadth or height of square, rectangle, cube etc)

### **Section 3 – General Science and Mathematical Aptitude (25 Marks)**

Nature of Matter, Universe, Electricity and its Applications, Force and Gravitation, Newton's Laws of Motion, Work, Energy and Power, Heat, Temperature, Light, Current, Magnetism, Metals and Non Metals, Measurements, Sound and Wave Motion, Atomic Structure, Chemistry – Carbon and its Compounds, Periodic Table, Acids, Bases & Salts, Food, Nutrition and Health Physiology and Human Diseases and Basic Computer Science

Arithmetic Ability, Number Systems, Algebra, Basic Trigonometry, Geometry, Statistics, Probability and Set Theory.

### **Section 4 – General Knowledge (25 Marks)**

History of India, Geography, Climate / Environment, Civics – Constitution of India, Art, Culture, Dance, Heritage, Religion, Freedom Movement, Important National Facts, Economics, Politics, Sports and Championships, Entertainment, Books and Authors, Awards, Defence and Wars, Geographical Neighbours, Countries – Languages, Capitals, Currencies, Common Name, Full Forms, Abbreviations, Eminent Personalities, National – Bird/ Animal/ Monuments/ Flower/ Anthem/ Sport/ Flag/ Emblem etc, Discoveries and Current Affairs.