

Syllabus for Recruitment Test for Inspector Legal Metrology

Subject	Topic
General Studies/ Current Affairs	National News, International News, State and Local News, Economy and Business, Science and Technology, Sports and Culture, Environment and Health, Polity and Governance, Important Dates/ Events/ Portfolios/Schemes. India with a special reference to the North East India.
General English	<p>Correction of Common Errors: Subject-Verb Agreement, Proper Use of Articles, Correct Pronoun Usage, Common Prepositional Errors.</p> <p>Usage of Vocabulary: Synonyms and Antonyms, Word Formation, Idioms and Phrases, Collocations. Punctuation and Capitalization, Parts of Speech, Active and Passive Voice, Direct and Indirect Speech, Conjunctions and Connectors, Clauses and Phrases.</p> <p>Usage of Tenses: Simple Present, Past, and Future, Present Continuous, Past Continuous, Future Continuous, Present Perfect, Past Perfect, Future Perfect, Conditional Tenses.</p>
Mathematics	Algebra, Number System, Percentage, Average, Work and Time, Time, Speed and Distance, Mensuration, LCM and HCF, Simple and compound interest, Profit and Loss, Mean, Median, Mode, Standard deviation, Application of Trigonometry.
Physics	Mass, Density, Specific Gravity, Weight, Force, Pressure, Torque, Concept of Electric Field, Magnetic Field, Magnetic Lines of Force, Electromagnetic Force and induced E.M.F, Basic concept of temperature, humidity and pressure, Pascal Law, Gravitational Force and acceleration due to gravity, Principle of moments & levers, Archimedes' Principle and buoyancy, Specific Gravity, Hook's Law, Ohm's Law, Basic of Thermometry and Thermal Expansion, Electrical Energy
Chemistry	Matter (Classification of Matter, Elements, Compounds, Mixtures, Atoms & Molecules), Properties of Matter and their Measurement (Physical Quantities, S. I. Units, Base Units, Measurement of Temperature, Volume, Mass etc.), States of Matter, Measurement of Mass, Volume, Pressure and Temperature of Gases, Gas Laws, Extraction of Metals and Important Alloys, Classification of Elements, Modern Periodic Table, Nomenclature of simple organic compounds such as alcohol, aldehyde, carboxylic acid and amines.