

Indian Maritime University

IMU CET 2020 Syllabus and Exam Pattern

Syllabus for Physics

Units and Measurement, Description of Motion in One Dimension, Description of motion in Two and Three Dimensions, Laws of Motion, Work, Energy and Power, Rotational Motion and Moment of Inertia, Gravitation, Solids and Fluids, Oscillations, Waves, Heat and Thermodynamics, Transference of Heat, Electrostatics, Current Electricity, Thermal and Chemical Effects of Currents, Magnetic Effects of Currents, Magneto statics, Electromagnetic Induction and Alternating Currents, Ray Optics, Wave Optics, Electromagnetic Waves, Electrons and Photons, Atoms, Molecules and Nuclei, Solids and Semi-Conductors.

Syllabus for English

Parts of Speech, Synonyms, Antonyms, Meaning of words/ phrases, Tenses, Phrasal verbs, Idioms.

Syllabus for Mathematics

Sets, Relation and Functions, Complex Numbers, Matrix and Determinants, Quadratic Equation, Permutations and Combinations, Mathematical Induction and It's Application, Binomial Theorem and It's Application, Sequence and Series, Differential calculus, Integral Calculus, Differential Equations, Two Dimensional geometry, Three Dimensional Geometry, Vector Algebra, Measures of Central Tendency and Dispersion, Probability, Trigonometry, Statistics, Dynamics

Syllabus for Chemistry

Some Basic Concepts, States of Matter, Atomic Structure, Solutions, Chemical, Energetic and Thermodynamics, Chemical Equilibrium, Redox Reaction and Electrochemistry, Rates of Chemical Reaction and Chemical Kinetics, Surface Chemistry, Chemical Families Periodic properties, Chemical Bonding and Molecular Structure, Chemistry of Non-Metals – 1, Chemistry of Non-Metals – 2, Chemistry of Lighter Metals, Heavy metals, Chemistry of Representative Elements, Transition metals including Lanthanides, Co-ordination Chemistry and Organo Metallics, Nuclear Chemistry, Purification and characterisation of Organic Compounds, Some Basic principles of Organic Chemistry, Hydrocarbons, Organic compound Containing Halogens, Organic Compounds Containing Oxygen, Organic Compounds Containing Nitrogen, Synthetic and Natural Polymers, Biomolecules and Biological Process, Chemistry In Action, Environmental Chemistry.

Syllabus for General Knowledge

1. Basic GK Questions
2. Current Affairs

Syllabus for General Aptitude

Critical Reasoning, Word Groups, Instructions, Structural Analysis, Syllogism (Logic Syllogism (Logic based questions), Fill in/Completion of series based on Pattern/Logic, Data Sufficiency , Data Interpretation Pipes & Cisterns , Odd Man Out , Boat & Streams , Numerical Computation, Numerical Estimation , Time & Work, Calendar , Clocks , Stocks , Time & Distance , Height & Distance , Quantitative Aptitude , Analytical Reasoning , Logic Reasoning , Fault Diagnosis , Abstract Reasoning , Mechanical Reasoning , Mixture & Allegation , Ratio , Numerical Reasoning.

IMU CET Exam Pattern 2020

The applicants can check the exam pattern, the mode of exam and the question type.

Events	Details
Exam Name	IMU CET 2020
Exam Mode	Online
Exam Language	English
Time Duration	3 Hrs
Question Type	Multiple Choice Question
Negative Marks	-
Number of Questions	2020
Number of Sections	5

Section wise mark

English	25 Marks
General Knowledge	25 Marks
General Aptitude	25 Marks
Chemistry	25 Marks
Mathematics	50 Marks
Physics	50 Marks