DOCTOR HUNT
PM-SAT 2027

SYLLABUS & PATTERN

CLASS: 11

PHYSICS

- Units & Measurements
- Vectors
- Kinematics
- Force & Laws of Motion
- Work, Energy & Power
- Gravitation
- Light
- Heat
- Electricity
- Magnetism

CHEMISTRY

- Unit
- Chemical Reactions and Equations
- Acids, Bases and Salts
- Metals and Non-metals
- Carbon and its Compounds
- Periodic Classification of Elements
- Mole Concept and Stoichiometry (ICSE)
- Electrolysis (ICSE)
- Some Basic Concepts of Chemistry
- Classification of Elements and Periodicity in Properties

BIOLOGY

- Life Processes
- Control and Coordination
- The Reproductive System
- Genetics — Some Basic Fundamentals
- Structure of Chromosomes, Cell Cycle and Cell Division

MATHEMATICS

Algebra

- Linear Inequality
- Quadratic Equations in one variable
- Ratio and Proportion
- Factorisation of polynomials
- Matrices
- Arithmetic and Geometric Progression
- Co-ordinate Geometry

Geometry

- Similarity, conditions of similar triangles.
- Circles
- Angle Properties
- Cyclic Properties
- Tangent and Secant Properties
- Constructions

Mensuration

- Area and volume of solids – Cylinder, Cone and Sphere.

Trigonometry

Statistics

- Statistics – basic concepts, Mean, Median, Mode. Histograms and Ogive

Probability

OFFLINE & ONLINE EXAM MODE PATTERN

Pattern of Questions

50 Objective Type Questions

MCQs of 4 choices (single correct answer)

Marking Scheme

+4 for correct answer

-1 for wrong answer

Question Distribution

Physics: 9, Chemistry: 9,Biology: 9, Maths: 9, IQ: 14

Medium : English Only

Duration: 1 Hour

Online: 1 Hour. It is Compulsory to be logged in to the portal at least 30 minutes before the test to avoid technical issue.

Offline: 1 Hour. It is Compulsory to take seat in exam hall atleast 30 minutes before test to fill OMR.

Corporate Office : PrepMed Institute 41A, Shyama Prasad Mukherjee Rd, Hazra Road,Near : Jatin Das Park Metro Station(Gate No. 3) Kolkata, West Bengal — 700026

9330577737 | 9811034749 tm@prepmed.in www.prepmed.in/

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SAMPLE TEST PAPER

FOR OFFLINE / ONLINE

CLASS XI

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tm@prepmed.in
examsprepmed@gmail.com
9811034749 / 9330577737

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