

MHT-CET TEST SERIES SYLLABUS (ENGG. AND MEDICAL)

PHYSICS

- 01- Circular motion
- 02- Gravitation
- 03- Rotational motion
- 04- Oscillations

- 05- Elasticity
- 06- Surface tension
- 07- Wave motion
- 08- Stationary waves

- 09- Kinetic theory of gases
- 10- Wave theory of light
- 11- Interference and diffraction
- 12- Electrostatic

- 13- Current electricity
- 14- Magnetic effects of electric current
- 15- Magnetism
- 16- Electromagnetic inductions

- 17- Electrons and photons
- 18- Atoms, Molecules and Nuclei
- 19- Semiconductors
- 20- Communication systems

- 21- Group Test (1,2,10 & 11)
- 22- Group Test (3,4,12 & 13)
- 23- Group Test (5,6,14 & 15)
- 24- Group Test (7,8,16 & 17)
- 25- Group Test (9,18,19 & 20)

- 26- Full Syllabus Test -01
- 27- Full Syllabus Test -02
- 28- Full Syllabus Test -03
- 29- Full Syllabus Test -04
- 30- Full Syllabus Test -05

- 01- Measurement, Scalars and Vectors - XI
- 02- Force, Friction in Solids and Liquids - XI
- 03- Refraction of Light, Rays Optics - XI
- 04- Magnetic Effect of Electric Current, Magnetism - XI

- 05- Group Test (1 & 2) - XI
- 06- Group Test (3 & 4) - XI

- 07- Full Syllabus Test -01 - XI
- 08- Full Syllabus Test -02 - XI

CHEMISTRY

- 01- Solid State
- 02- Solutions and colligative properties
- 03- Chemical thermodynamics and energetic
- 04- Electrochemistry
- 05- Chemical kinetics
- 06- General principles and processes of isolation of elements
- 07- p-Block elements (Group - 15, 16, 17, 18)
- 08- d and f Block Elements
- 09- Coordination compounds
- 10- Halogen derivatives of alkanes
- 11- Alcohols, phenols and ethers
- 12- Aldehydes, ketones and carboxylic acids
- 13- Organic compounds containing nitrogen
- 14- Biomolecules
- 15- Polymers
- 16- Chemistry in everyday life

- 21- Group Test (1,2 & 9)
- 22- Group Test (3,10 & 11)
- 23- Group Test (4,5 & 12)
- 24- Group Test (6,13 & 14)
- 25- Group Test (7,8,15 & 16)

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- 29- Full Syllabus Test -04
- 30- Full Syllabus Test -05

- 01- Some Basic Concept, States of matter - XI
- 02- S-Block, Redox and Surface Chemistry - XI
- 03- Chemical Bond, Hydrogen - XI
- 04- Basic Organic Chemistry, Alkanes - XI

- 05- Group Test (1 & 2) - XI
- 06- Group Test (3 & 4) - XI

- 07- Full Syllabus Test -01 - XI
- 08- Full Syllabus Test -02 - XI

MATHEMATICS

- 01- Mathematical Logic
- 02- Matrices
- 03- Trigonometric functions
- 04- Pair of straight lines
- 05- Vectors
- 06- Three dimensional geometry
- 07- Line
- 08- Plane
- 09- Linear programming problems
- 10- Continuity
- 11- Differentiation
- 12- Applications of derivative
- 13- Integration
- 14- Definite integral
- 15- Applications of definite integral
- 16- Differential equation
- 17- Probability distribution
- 18- Bernoulli trials and Binomial distribution

- 21- Group Test (1,2,10 & 11)
- 22- Group Test (3,4,12 & 13)
- 23- Group Test (5,6,14 & 15)
- 24- Group Test (7,8,16 & 17)
- 25- Group Test (5,6,8,9,11,13,14 & 18)

- 26- Full Syllabus Test -01
- 27- Full Syllabus Test -02
- 28- Full Syllabus Test -03
- 29- Full Syllabus Test -04
- 30- Full Syllabus Test -05

- 01- Trigonometric Functions of Compound Angles, Factorization Formulae, Trigonometric Functions - XI
- 02- Straight Line, Circle and Conics - XI
- 03- Sets, Relations and Functions, Complex Numbers - XI
- 04- Sequence & Series, Probability - XI

- 05- Group Test (1 & 2) - XI
- 06- Group Test (3 & 4) - XI

- 07- Full Syllabus Test -01- XI
- 08- Full Syllabus Test -02- XI

BIOLOGY

- 01- Genetic Basis of Inheritance
- 02- Gene: its nature, expression and regulation
- 03- Biotechnology: Process and Application
- 04- Enhancement in Food Production
- 05- Microbes in Human Welfare

- 06- Photosynthesis
- 07- Respiration
- 08- Reproduction in Plants
- 09- Organisms and Environment
- 10- Origin and the Evolution of Life

- 11- Chromosomal Basis of Inheritance
- 12- Genetic Engineering and Genomics
- 13- Human Health and Diseases
- 14- Animal Husbandry
- 15- Circulation

- 16- Excretion and osmoregulation
- 17- Control and Co-ordination
- 18- Human Reproduction
- 19- Organisms and Environment

- 21- Group Test (1,2,10 & 11)
- 22- Group Test (3,4,12 & 13)
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Separate OMR Answer Sheet
 for each test with **DETAIL ANALYSIS REPORT**