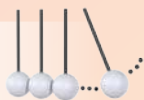


MOF 2023–24 SYLLABUS & PATTERN

Stage-1

Class
12th

PHYSICS



- Electric charges and fields
- Electrostatic potential and capacitance
- Current electricity
- Moving charges and magnetism
- Magnetism and matter
- Electromagnetic induction

BIOLOGY



- Sexual Reproduction in Flowering Plants
- Human Reproduction
- Reproductive Health
- Principle of Inheritance and Variation
- Molecular Basis of Inheritance
- Evolution

CHEMISTRY :



- Solutions
- Electrochemistry
- Chemical Kinetics
- The d and f block elements
- Coordination Compounds
- Haloalkanes and Haloarenes
- Alcohols, Phenols and Ethers

MATHEMATICS :



- Relations and functions
- Inverse trigonometric functions
- Matrices
- Determinants
- Continuity and differentiability
- Application of derivatives

EXAM PATTERN

Pattern of Questions

60 Objective Type Questions
MCQs of 4 choices (Single Correct Answer)

Marking Scheme

+4 For Correct Answer
(One mark will be deducted for wrong answer)

Questions Distribution

Physics : 20, Chemistry –20,
Biology/Maths – 20

Medium & Duration of Exam

Medium : Both Hindi and English
Duration : 2 Hours



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MOF 2023-24 SYLLABUS & PATTERN

Stage- 2

Class
12th

PHYSICS



- Electric charges and fields
- Electrostatic potential and capacitance
- Current electricity
- Moving charges and magnetism
- Magnetism and matter
- Electromagnetic induction

BIOLOGY



- Sexual Reproduction in Flowering Plants
- Human Reproduction
- Reproductive Health
- Principle of Inheritance and Variation
- Molecular Basis of Inheritance
- Evolution

CHEMISTRY :



- Solutions
- Electrochemistry
- Chemical Kinetics
- The d and f block elements
- Coordination Compounds
- Haloalkanes and Haloarenes
- Alcohols, Phenols and Ethers

MATHEMATICS :



- Relations and functions
- Inverse trigonometric functions
- Matrices
- Determinants
- Continuity and differentiability
- Application of derivatives

EXAM PATTERN

Pattern of Questions

60 Objective Type Questions
MCQs of 4 choices (Single Correct Answer)

Marking Scheme

+4 For Correct Answer
(One mark will be deducted for wrong answer)

Questions Distribution

Physics : 20, Chemistry –20,
Biology/Maths – 20

Medium & Duration of Exam

Medium : Both Hindi and English
Duration : 2 Hours



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