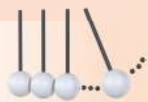# MOF 2024-25 SYLLABUS & PATTERN Stage-1

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

MOF 2024-25 SYLLABUS & PATTERN
Stage- 2

Class 12th

30% weightage of complete NCERT of class 11th while 70% will from the following syllabus.

PHYSICS

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- Magnetism and matter
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CHEMISTRY :

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Medium : Both Hindi and English
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