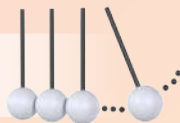


# MOF 2023-24 SYLLABUS & PATTERN

## Stage- 2

Class  
**12<sup>th</sup>**

### PHYSICS



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

### BIOLOGY



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

### CHEMISTRY :



- The solid state
- Solutions
- Electro chemistry
- Chemical kinetics
- Surface chemistry
- General principles and processes of isolation of elements
- The p-block elements

### 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



**MATRIX**

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