

MOF 2024-25 SYLLABUS & PATTERN Stage-1

Class
8th

PHYSICS



- Force and Pressure
- Friction

BIOLOGY



- Crop Production
- Micro-Organism

LOGICAL REASONING & IQ :



- Series : Number, Alphabet and Letter repeating series
- Direction sense
- Mirror & Water Image
- Ranking and Ordering
- Mathematical Operation
- Paper Folding and Cutting

CHEMISTRY :



- Coal and Petroleum
- Combustion and flame

MATHEMATICS :



- Rational Numbers
- Linear Equations in One Variable
- Understanding Quadrilaterals
- Data Handling
- Square and Square Roots
- Cubes and Cube Roots
- Comparing Quantities

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 : 7, Chemistry – 6, Biology – 7
Maths – 30, Logical Reasoning
& IQ – 10

Medium & Duration of Exam

Medium : English Only
Duration : 2 Hours



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MOF 2024-25 SYLLABUS & PATTERN

Stage- 2

Class
8th

30% weightage of complete NCERT of class 7th while 70% will from the following syllabus.

PHYSICS



- Force and Pressure
- Friction
- Sound

BIOLOGY



- Crop Production
- Micro-Organism

LOGICAL REASONING & IQ :



- Series : Number, Alphabet and Letter repeating series
- Direction sense
- Mirror & Water Image
- Ranking and Ordering
- Mathematical Operation
- Paper Folding and Cutting

CHEMISTRY :



- Coal and Petroleum
- Combustion and flame

MATHEMATICS :



- Rational Numbers
- Linear Equations in One Variable
- Understanding Quadrilaterals
- Data Handling
- Square and Square Roots
- Cubes and Cube Roots
- Comparing Quantities
- Algebraic Expressions and Identities
- Exponents and powers
- Mensuration

MOF Stage - 2 Paper Pattern, Question Distribution and Marking Scheme

Medium : English Only

Exam Duration : 120 Minutes

Maximum Marks : 230

Question Type		Marking Scheme per question	Negative Marking for each wrong question	Physics	Chemistry	Biology	Maths	Logical Reasoning and IQ
Single Answer Type	Simple SCQ	3	1	1		1	10	10
	Three Statements Based T /F	4	1	1	1	1	4	
	Match the Column Based	4	1	1	1	1	4	
	Paragraph Based	3	1	2	2	2	6	
Multiple Answer Type	Multiple Answer Based	6	0	2	2	2	6	
Total Number of Questions Subject Wise				7	6	7	30	10
Total Maximum Marks Subject Wise				29	26	29	116	30



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