

# MOF 2024-25 SYLLABUS & PATTERN Stage-1

Class  
7<sup>th</sup>

## PHYSICS



- Heat
- Motion and Time

## BIOLOGY



- Nutrition in Plants
- Nutrition in Animals

## 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 :



- Physical and Chemical change
- Acids, bases and salts

## MATHEMATICS :



- Integers
- Fractions and Decimals
- Data Handling
- Simple Equations
- Lines and Angles
- The triangles and its Properties

## 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 7<sup>th</sup>

30% weightage of complete NCERT of class 6th while 70% will from the following syllabus.

### PHYSICS



- Heat
- Motion and Time
- Light

### BIOLOGY



- Nutrition in Plants
- Nutrition in Animals
- Respiration in organisms

### 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 :



- Acids, bases and salts
- Physical and Chemical change

### MATHEMATICS :



- Integers
- Fractions and Decimals
- Data Handling
- Simple Equations
- Lines and Angles
- The triangles and its Properties
- Perimeter and Area
- Congruence of Triangles
- Exponents and Powers

#### 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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