

## **Class I**

### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Addition & Subtraction, Comparison, Time & Money, Length & Weight, Odd One Out, Series Completion, Figure Problems, Numerals & Number Names(Up to 2 Digits), Geometrical Skills , Pattern Recognition, Skip Counting.

## **Class II**

### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Time & Temperature, Money, Line & Plane, Figure Problems, Series Completion, Odd One Out, Length & Weight, Calendar, Geometrical Shapes, Number & Number Names( Up to 3 Digits), Addition, Subtraction, Multiplication, Division, Patterns, Point.

## **Class III**

### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Time & Temperature, Money, Pictographs, Figure Problems, Lines, Angles & Triangles, Series Completion, Odd One Out, Unitary Methods, Measurement, Calendar, Geometrical Shapes, Number & Number Names( Up to 4 Digits), Addition, Subtraction, Multiplication, Division, Patterns, Point, Fractions.

### **Class IV**

#### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Time & Temperature, Money, Pictographs, Figure Problems, Series Completion, Odd One Out, Unitary Methods, Measurement, Geometrical Concepts, Area & Perimeter of Geometrical Figures, Number & Number Names( Up to 5 Digits), Addition, Subtraction, Multiplication, Division, Patterns, Fractions, Graphical Representation of Data, Place Value, Roman Numerals, Conversions, Comparison, Problems Based on Direction, Mirror Images .

### **Class V**

#### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Time & Temperature, Money, Pictographs, Figure Problems, Series Completion, Odd One Out, Measurement, Geometrical Concepts, Area & Perimeter of Geometrical Figures, Number System( Up to 7 Digits), Addition, Subtraction, Multiplication, Division, Patterns, Fractions, Decimals, Graphical Representation of Data, Place Value, Roman Numerals, Conversions, Comparison, Problems Based on Direction, Mirror Images, Factors & Multiples, Number Series, LCM, HCF, Divisibility Rules .

### **Class VI**

#### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Figure Problems, Odd One Out, Geometrical Concepts, Area & Perimeter of Geometrical Figures, Number System and its operation, Addition, Subtraction, Multiplication, Division, Patterns, Integers, Fractions, Decimals, Exponents and Powers, Percentage, Graphical Representation of Data, Place Value, Roman Numerals, Conversions, Comparison, Problems Based on Direction, Mirror Images, Factors & Multiples, Number Series, LCM, HCF, Ratio and Proportion, Algebraic Expressions, Divisibility Rules, Symmetry, Profit & Loss, Simple Interest .

### **Class VII**

#### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Geometrical Concepts: Lines, Angles, Triangles, Area & Perimeter of Geometrical Figures, Number System and its operation, Integers, Fractions, Decimals, Rational Numbers, Exponents and Powers, Percentage, Graphical Representation of Data, Data Handling, Mensuration, Factors & Multiples, Ratio and Proportion, Algebraic Expressions, Linear Equations, Symmetry, Profit & Loss, Simple & Compound Interest, Arithmetical Ability .

### **Class VIII**

#### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Number System and its operation, Integers, Fractions, Decimals, Rational Numbers, Exponents and Powers, Square & Square Root, Cube & Cube Root, Percentage, Graphical Representation of Data, Data Handling, Construction, Solid Shapes Visualization, Mensuration, Factors & Multiples, Ratio and Proportion, Algebraic Expressions, Linear Equation In One Variable, Symmetry, Profit & Loss, Simple & Compound Interest, Arithmetical Ability, Time & Work, Applied Mathematics, Series Completion, Problems on Cubes & Dice .

### **Class IX**

#### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Number System and its operation, Polynomials, Construction, Solid Shapes Visualization, Mensuration, Linear Equation In Two Variable, Line & Angles, Triangles, Quadrilaterals, Trigonometry, Statistics, Probability, Coordinate Geometry, Euclid's Geometry, Heron's Formula, Surface Areas and Volumes, Circles, Symmetry, Profit , Arithmetical Ability, Applied Mathematics, Series Completion, Problems on Cubes & Dice, Mathematical Reasoning & Logical ability .

### **Class X**

### **QUESTION PAPER PATTERN FOR GMO**

The test paper has 45 questions. Time allowed: 01 hour. There are 3 sections, each section contains 15 questions.

Section A: Mathematical Reasoning

Section B: Applied Mathematics

Section C: Mental Ability & Gainers Section.

### **SYLLABUS GMO**

Number System and its operation, Polynomials, Construction, Solid Shapes Visualization, Mensuration, Linear Equation In Two Variable, Quadratic Equations, Arithmetic Progressions, Line & Angles, Triangles, Quadrilaterals, Trigonometry, Statistics, Probability, Coordinate Geometry, Surface Areas and Volumes, Circles, Arithmetical Ability, Applied Mathematics, Series Completion, Coding Decoding, Speed, Time, Real Numbers, Sequence & Series, Mathematical Reasoning & Logical ability .