

SAMPLE PAPER**CLASS : 8**

Total Questions : 60

Duration : 2 Hrs.

Paper Pattern					
Section	(A) Physics	(B) Chemistry	(C) Biology	(D) Mathematics	(E) Logical Reasoning & IQ
Number of Questions	7	6	7	30	10

Marking Scheme: +4 For Correct Answer (There is no negative for wrong answer)**Syllabus**

Section A – • Force and Pressure • Friction

Section B – • Synthetic Fibres and Plastics • Materials : Metals and Non- metals

Section C – • Crop Production • Micro-Organism

Section D – • Rational Numbers • Linear Equations in One Variable • Understanding Quadrilaterals • Data Handling • Square and Square Roots
• Cubes and Cube Roots • Comparing QuantitiesSection E – • Series : Number, Alphabet and Letter repeating series • Direction sense • Mirror & Water Image • Ranking and Ordering
• Mathematical Operation • Paper Folding and Cutting**Instructions :**

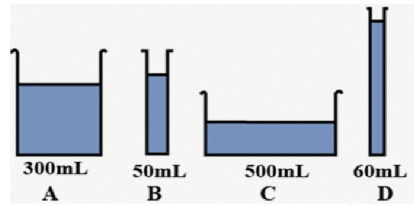
1. This Booklet is your **Question Paper**. DO NOT break seal of Booklet until the invigilator instructs to do so.
2. The Answer Sheet is provided to you separately which is a machine readable **Optical Response Sheet (ORS)**. You have to mark your answer in the ORS by darkening bubble, as per your answer choice, by using **Black/Blue** ball point pen only.
3. If you are found involved in cheating or disturbing others then your ORS will be cancelled.
4. Do not put any stain on ORS and hand it over back properly to the invigilator.
5. You can take along the question paper after test over.

Note: This is a Sample Paper and Actual Question Paper Contains 60 Questions.



SECTION – A : PHYSICS

1. Which one of the following is the correct arrangement of the vessels in order of increasing pressure at the base of each vessel? Each vessel is filled with water.



[Force and Pressure]

- (A) $B < D < C < A$ (B) $C < A < B < D$
(C) $B < C < A < D$ (D) $C < A < D < A$

SECTION – B : CHEMISTRY

2. Generally metallic oxides are basic and non-metallic oxides are acidic in nature. Solution of which of the following oxides in water will change the colour of blue litmus to red?

[Materials : Metals and Non-metals]

- (A) Sulphur dioxide (B) Magnesium oxide
(C) Iron oxide (D) Copper oxide

SECTION – C : BIOLOGY

3. Which of the following statements describes bacteriophage correctly ?

[Micro organisms : Friend and Foe]

- (A) It is a bacterium which causes diseases in plants.
(B) It is a type of virus which attacks bacteria.
(C) It is a bacterium which kills viruses.
(D) It can multiply inside both living and non-living cells.

SECTION – D : MATHEMATICS

4. Number of diagonals in a 10 sided polygon.

[Understanding Quadrilaterals]

- (A) 36 (B) 33
(C) 34 (D) 35

5. Two numbers are selected from the set of integers 1 to 25. What is the probability that the product of the number will be 36 ?

[Data Handling]

- (A) $\frac{1}{200}$ (B) $\frac{1}{100}$
(C) $\frac{1}{50}$ (D) $\frac{1}{75}$



6. What is the value of interior angle of a regular polygon that has number of sides 8.

[Understanding Quadrilaterals]

- (A) 30° (B) 37.5°
(C) 40° (D) 35°

7. Suppose that $a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca)$. If $a^3 + b^3 + c^3 = 3abc$, then which option about a, b & c is false?

[Square and Square Roots & Cubes and Cube Roots]

- (A) $a + b + c = 0$ (B) $a = b = c$
(C) $a = \frac{b+c}{3}$ (D) None of these

8. Rajesh buys two kinds of cloth materials for school uniforms, shirt material that costs him Rs. 50 per metre and trouser material that costs him Rs. 90 per metre. For every 3 meters of the shirt material he buys 2 meters of the trouser material. He sells the material at 12% and 10% profit respectively. His total sale is Rs. 36,600. How much trouser material did he buy ?

[Comparing Quantities]

- (A) 20 m (B) 600 m
(C) 200 m (D) 300 m

SECTION – E : LOGICAL REASONING & IQ

Direction (9 – 10) : Read the following information and answer the questions given below it :

Alka is older than Mala. Gopal is older than Mala but younger than Alka. Kapil is younger than Ram and Mala. Mala is older than Ram.

[Ranking & Ordering]

9. Whose age is between Gopal and Ram ?

- (A) Mala (B) Kapil
(C) Alka (D) None of these

10. Who is the eldest ?

- (A) Alka (B) Mala
(C) Kapil (D) Gopal