







Society of Science Education

New Delhi, India

FOR SUPREMACY IN SCIENCE & MATHEMATICS www.silverzone.org

Class 8th

Syllabus & Sample Questions

Crop Production and Management, Microorganisms, Synthetic Fibres and Plastics, Metals and Non-metals, Coal and Petroleum, Combustion and Flame, Conservation of Plants, Cell - Structure and Functions, Reproduction in Animals, Reaching the Age of Adolescence, Force and Pressure, Friction, Sound, Chemical Effects of Electric current, Natural Phenomena, Light, Stars and the Solar System, Pollution, Rational Numbers, Linear Equations in One variable, Quadrilaterals, Practical Geometry, Data Handling, Squares and Square Roots, Cubes and Cube Roots, Algebraic Expressions, Visualising Solid Shapes, Mensuration, Exponents and Powers, Direct and Inverse Proportion, Factorisation, Introduction to Graphs, Analogy, Blood relation, Classification, Coding Decoding, Direction Test, Letter Series, Mixed series, Non verbal & Number series.

The actual question paper contains 40 questions. The duration of the test paper is 60 minutes.

1.	We tends to fall backward when a car suddenly starts moving. Which phenomenon is responsible for this? (A) Momentum (B) Inertia (C) Gravity	4.	The earth's atmosphere is layered according to the availability of gases, temperature and altitude. Which one of the following layers is found between the thermosphere and stratosphere? (A) Troposphere (B) Exosphere (C) Mesosphere (D) All of these
	(D) Third law of motion	_	(E) None of these
	(E) None of these	5.	Arrange the following in correct order:
2.	Which one of the following has the highest calorific value?		(1) Manuring (2) Sowing (3) Irrigation (4) Harvesting
	(A) ☐ Peat (B) ☐ Lignite (C) ☐ Anthracite (D) ☐ Bituminous		(A) $\square 2 \rightarrow 1 \rightarrow 3 \rightarrow 4$ (B) $\square 1 \rightarrow 2 \rightarrow 3 \rightarrow 4$ (C) $\square 2 \rightarrow 3 \rightarrow 4 \rightarrow 1$ (D) $\square 3 \rightarrow 1 \rightarrow 2 \rightarrow 4$ (E) \square None of these
3.	(E) None of these Find the weight of an object whose volume is 45m³	6.	Find the multiplicative inverse of $\left(7 \times \frac{1}{12}\right)^{-1}$
	and density is 2.4 gm/m³.		
	(A) □ 0.108 kg (B) □ 1.1 kg (C) □ 2.4 kg (D) □ 2.2 kg (E) □ None of these		(A) $\square 7^{-1} \times 12^{-1}$ (B) $\square 7 \times 12^{-1}$ (C) $\square 7^{-1} \times 12$ (D) \square All of these (E) \square None of these

Find the solution of the equation

$$\frac{6m+7}{3m+2} = \frac{4m+5}{2m+3}$$

- (A) $\Box -\frac{11}{9}$ (B) $\Box \frac{11}{9}$

Robert can finish the writing of a book in 8 days while James can finish the same work in 10 days. If they work together then how long they will take to finish the same work?

- (A) $\square 10\frac{1}{2}$ days (B) $\square 6\frac{2}{3}$ days
- (C) $\square \frac{4}{9}$ days (D) $\square 4\frac{4}{9}$ days (E) \square None of these

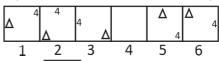
A monkey jumps 5 m every second on a 60 m vertical pole and then falls down 2 m over the next second. How many seconds will it take to climb on the pole?

- (A) 12 sec
- (B) ☐ 39 sec
- (C) 40 sec
- (D) 30 sec
- (E) None of these

Find the smallest number by which 12800 must be multiplied so that it becomes a perfect cube.

- (A) 4
- (B) 5
- (C) 8
- (D) 12
- (E) None of these

11. Replace the blank box with suitable option.



- (D) \Box
- (E) None of these

12. Select the correct option to replace the question mark (?).

61 16 54 45 ? 81

- (A) 38
- (B) 18
- (C) 16
- (D) 15
- (E) None of these

Answers

- (C)
- (A) 3.
- (C)
- (B)
- (A)

- (D)
- (B)
- 10. (B)
- 11.
- (D)
- 12. (B)