SCHOOL BASED ASSESSMENT 2024-25

Mid-Term

Mathematics Grade 6

Objective: 10 MCQs (10x1.5=15 Marks) and Subjective: 35 Marks, Total: 50 Marks , Time = 1 Hour 30 minutes

School Name: _____

Student Name : _____ Roll Number : _____ Section : _____

OBJECTIVE PART(MCQs)

Question No.1 : The number of proper subsets of $\{a, b\}$ are:
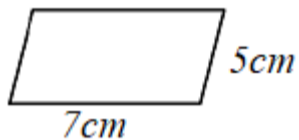
(a) 1   (b) 2

(c) 3   (d) 4

Question No.2 : The algebraic expression for the statement "a number q decreased by 2" is:

(a) $q - 2$ (b) $q + 2$

(c) $2q$ (d) $-2q$

Question No.3 : If $a = 5, b = 8$ and $c = 10$ then the value of $b^2 - 4ac$ will be:

(a) -120 (b) 120

(c) -136 (d) 136

Question No.4 : Identify linear equation:

(a) $\frac{x^2}{y} + x = 2$ (b) $x + 1 = 0$

(c) $\frac{y}{x^2} + 2y = 0$ (d) $x^2 + 1 = 0$

Question No.5 : The solution of $7x - 5 = 9$ is:

(a) 1   (b) 2

(c) 3   (d) 4

Question No.6 : If five times the age of Asad is 20 years, then the age of Asad will be:

(a) 4 years   (b) 5 years

(c) 6 years   (d) 7 years

Question No.7 : The perimeter of given figure is:

(a) 2 cm   (b) 12 cm

(c) 24 cm   (d) 35 cm

Question No.8 : If the length of one side of a square shaped garden is 20 m, then its area will be:

(a) 40 m^2 (b) 80 m^2

(c) 200 m^2 (d) 400 m^2

Question No.9 : The number of vertices of a cube is:

(a) 5   (b) 6

(c) 7   (d) 8

Question No.10 : The given lines are:
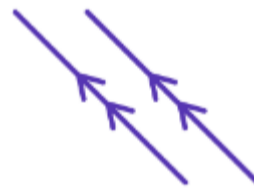
(a) Parallel lines   (b) Non parallel lines

(c) Intersecting lines   (d) Perpendicular lines

SUBJECTIVE PART(CRQs)

Question No: 11

a) Verify: $(-4 \times 5) \times 9 = -4 \times (5 \times 9)$. **(5 Marks)**

b) Simplify $50 - [26 - \{100 + (39 \div 3 \times 2)\}]$ **(5 Marks)**

Question No: 12

a) Solve $8x + 12 = 4x + 24$ **(5 Marks)**

b) The sum of a number and its double is 27. Find the number. **(5 Marks)**

Question No: 13

a) The area of rectangle is 60 cm^2 .If the breadth of rectangle is 6 cm, then find its perimeter. **(8 marks)**

b) Volume of a cube is $1000 \ cm^3$. Find its total surface area. **(7 Marks)**