

Paper: MathsTotal Marks: 48Month Test: Annual

Obt. Marks: _____

Theme/Unit: CompleteGrand Total: 100

Objective: _____

Signature: _____

Time: _____

Roll No: _____

class: 6th

Section: _____

**Q. No. 1: Encircle the correct option: /48**

- 1) The set of natural numbers is a _____ set.
 - a. Infinite
 - b. Empty
 - c. Finite
 - d. None
- 2) A singleton set has _____ one element.
 - a. Only
 - b. More than
 - c. Less than
 - d. Two
- 3) A _____ is a symbol to represent a number.
 - a. Digit
 - b. Numeral
 - c. Whole
 - d. None
- 4) The set {1, 2, 3, 4, 5,} represents _____.
 - a. Natural number
 - b. Whole number
 - c. Rational number
 - d. Fibonacci
- 5) What is the index form of $2 \times 2 \times 2 \times 5 \times 5 =$ _____.
 - a. $2^3 \times 5^2$
 - b. $3^2 \times 2^5$
 - c. 8×25
 - d. $(2 \times 5)^3$
- 6) $36 \div (-6) =$ _____.
 - a. -6
 - b. +6
 - c. 9
 - d. -9
- 7) π is a _____ letter.
 - a. Greek
 - b. Latin
 - c. English
 - d. British
- 8) The ratio 3:4 is equivalent to _____.
 - a. 1:2
 - b. 9:16
 - c. 6:8
 - d. 8:12
- 9) S.P – C.P = _____.
 - a. Loss
 - b. Profit
 - c. Loss%
 - d. Profit%
- 10) 25% of 600 = _____.
 - a. 150
 - b. 250
 - c. 50
 - d. 350
- 11) _____ are like terms.
 - a. $2x, 3$
 - b. $5x^2, 2x^2$
 - c. $3xy, xyz$
 - d. None
- 12) The variable in the algebraic term $12y^3$ is _____.
 - a. 2
 - b. 3
 - c. Y
 - d. 12
- 13) $8x = 72$ then $x =$ _____.
 - a. 9
 - b. -9
 - c. 6
 - d. 7
- 14) The sum of three angle of a triangle is _____.
 - a. 160°
 - b. 360°
 - c. 180°
 - d. 190°
- 15) If we bisect angles 90° , we get two angle of _____.
 - a. $40^\circ, 50^\circ$
 - b. $90^\circ, 10^\circ$
 - c. $45^\circ, 45^\circ$
 - d. $30^\circ, 60^\circ$
- 16) Area of square = _____.
 - a. Length + length
 - b. Length x length
 - c. $2(l \times l)$
 - d. $2(l + w)$
- 17) The region enclosed by a closed figure is called _____.

(c). Add the following vertically. $-2m+5n$, $m+6n$, $2m-2n$ /3

Q. No. 5: (a). Solve linear equation: $3a-2=2a+11$ /2

(b). Construct a triangle $\triangle LMN$ which $\overline{LM} = 5\text{cm}$, $\angle L = 45^\circ$, $\overline{LN} = 6\text{cm}$. /4

(c). A square shaped mosque hall has a side of 18m. Find the cost of lying carpet in the hall at the rate of Rs. 23.50 per m^2 . /4

Q. No. 6: (a). Find total area of a box whose length is 8cm, breath is 6cm and height is 5cm. /4

(b). Simplify: $15-2x(x+y)$ /3

(c). The market price of a chair is Rs. 800. It is sold Rs. 600. Find discount percentage. /4