

Paper: MathsTotal Marks: 48Month Test: Annual

Obt. Marks: _____

Theme/Unit: CompleteGrand Total: 100

Objective: _____ ID: _____

Signature: _____

Roll No: _____ class: 7th

Section: _____

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

- 1) For any set A, $A \cap \Phi =$ _____.
 a. Φ b. A c. U d. None
- 2) The set N of natural numbers and z of integers are _____ sets.
 a. Disjoint c. Subset
 b. Overlapping d. None
- 3) If $A = \{-1, 0, 1, 2, 3\}$ and $B = \{-1, 0, 1\}$, then $B/A =$ _____.
 a. B b. A c. AB d. Φ
- 4) The denominator of a rational number cannot be _____.
 a. 1 b. 2 c. 0 d. Integer
- 5) $2/3 =$ _____.
 a. $0.\bar{3}$ b. $0.\bar{7}$ c. $0.\bar{6}$ d. $0.\bar{1}$
- 6) The sum of two rational numbers is a _____ number.
 a. Rational b. Irrational c. Even d. None
- 7) $(37)^0 =$ _____.
 a. 1 b. 0 c. 37 d. 370
- 8) $2^3 =$ _____.
 a. 2 b. 3 c. 8 d. 6
- 9) $a^8 \times a^5 =$ _____.
 a. a^{-13} b. a^{-3} c. a^3 d. a^{-40}
- 10) if $x:y=2:1$ and $y:z=2:1$, then $x:y:z =$ _____.
 a. 2:1:2 b. 4:2:1 c. 2:2:1 d. 1:1:2
- 11) A speed of $72 \text{ kmh}^{-1} =$ _____ ms^{-1}
 a. 2 b. 20 c. 200 d. 2000
- 12) If we divide the number 280 in ratio 2:3:5, the greatest number will be _____.
 a. 140 b. 160 c. 170 d. 56
- 13) Square root of 1225 is _____.
 a. 64 b. 35 c. 72 d. 74
- 14) A perfect square has _____.
 a. Single factor c. Pair of factors
 b. Cube of each factor d. None
- 15) Square of 1 is _____.
 a. 2 b. 0 c. 1 d. None
- 16) Zakat is due to at _____ gm of gold.
 a. 78.28 c. 87.48
 b. 80.28 d. 48.87
- 17) 1 maund = _____ kg

(b). if the perimeter of a triangle is 26cm and the ratio between its three sides is 2:3:4. Find the lengths of each of its sides. /4

(c). 6 carpenters can make 8 chairs in 10 days, how many days will be required for 10 carpenters to make 16 chairs. /4

Q#4: (a). Find square root by division method 15625. /3

(b). Find the least number by which 48 should be multiplied to make it a perfect square. /4

©. Find square root by prime factorization method: $\frac{3136}{4096}$ /3

Q#5: (a). An amount of Rs. 45506 remained with Aslam for a whole year. How much zakat will he pay? /4

(b). Simplify: $5(a - b) - 4(a+b+c)$ /3

(c). Factorize: $a^4 - b^4$ /3

Q#6: (a). A number multiplied by 4 is 30 greater than that number. What is the number? 3/

(b). Construct an isosceles triangle with base =5cm and base angle =65° /4

(c). the radius of park is 84m. find the cost of fencing the park five time at the rate of Rs.12/m. /4

