

**MOCK EXAMINATION PAPER : Set-D**

**SECTION - 1**

1.  $(47 \times 13) + (13 \times 8) = \underline{\hspace{2cm}}$

- (a) 635 (b) 625  
(c) 715 (d) 745

2.  $(54 \times 5) + (73 \times 3) - (28 \times 5)$   
 $= \underline{\hspace{2cm}}$

- (a) 347 (b) 349  
(c) 343 (d) 394

3.  $(25\% \text{ of } 212) - (50\% \text{ of } 96)$   
 $= \underline{\hspace{2cm}}$

- (a) 5 (b) 6  
(c) 7 (d) 8

4.  $(\text{half of } 480) + (\text{one fifth of } 225) = \underline{\hspace{2cm}}$

- (a) 175 (b) 205  
(c) 285 (d) 295

5. Square of 28 – Square of 26  
 $= \underline{\hspace{2cm}}$

- (a) 108 (b) 118  
(c) 128 (d) 138

6. Square of 35 + Square of 15  
– Square of 20 =  $\underline{\hspace{2cm}}$

- (a) 1050 (b) 1150  
(c) 1500 (d) 1250

7. Square of 37 + cube root of  
729 =  $\underline{\hspace{2cm}}$

- (a) 1369 (b) 1378  
(c) 1388 (d) 1389

8.  $\frac{8}{50} = \underline{\hspace{2cm}}$

- (a) 16 (b) 0.016  
(c) 0.16 (d) 0.106

9. The bridge A is 0.916 km and bridge B is 3.21 km long. Find the difference of their lengths.

- (a) 4.026 (b) 2.294  
(c) 4.126 (d) 2.284

10. How do you write  $\frac{7}{25}$  as percentage.

- (a) 25% (b) 32%  
(c) 28% (d) 24%

11. Average of 32, 43, 47, 53, 50, 33

- (a) 46 (b) 47  
(c) 45 (d) 43

12.  $249 + 51 = 15 \times \square$

- (a) 20 (b) 15  
(c) 30 (d) 25

13.  $1\frac{4}{5} \times 115 = \underline{\hspace{2cm}}$

- (a) 261 (b) 216  
(c) 217 (d) 207

14. The sum of two integers is 18, if one of them is -7, find the other.

- (a) 11 (b) 25  
(c) -11 (d) -25

- 15.** The sum of 1.8, 16.4 and 56.496 is \_\_\_\_\_
- (a) 74.686                      (b) 746.96  
(c) 74.696                      (d) 7.4696
- 16.** Sum of all the divisors of 36 = \_\_\_\_\_
- (a) 90                              (b) 91  
(c) 92                              (d) 94
- 17.** If 1198 is divided by 42, the remainder is \_\_\_\_\_
- (a) 32                              (b) 22  
(c) 24                              (d) 28
- 18.** H.C.F. of 24, 44, 52 is \_\_\_\_\_
- (a) 6                                (b) 11  
(c) 4                                (d) 13
- 19.** L.C.M. of 20, 30 and 45 = \_\_\_\_\_
- (a) 220                              (b) 160  
(c) 140                              (d) 180
- 20.** The ratio of 20 min to 10 hours is \_\_\_\_\_
- (a) 1 : 30                              (b) 1 : 35  
(c) 1 : 60                              (d) 1 : 12

## SECTION - 2

- 21.**  $105 + 180 \div (9 \times 5) = \underline{\hspace{2cm}}$   
 (a) 119 (b) 109  
 (c) 99 (d) 129
- 22.**  $8 - \square = 22$   
 (a) 20 (b) -20  
 (c) -14 (d) 14
- 23.**  $(-5) \times 4 + (13 \times 4) \div (-4)$   
 (a) -33 (b) 23  
 (c) -23 (d) 33
- 24.**  $\frac{300}{480} = \square$   
 (a)  $\frac{5}{6}$  (b)  $\frac{6}{5}$   
 (c)  $\frac{8}{5}$  (d)  $\frac{5}{8}$
- 25.**  $\frac{9}{45} \times \frac{5}{4} \div \frac{15}{16} = \square$   
 (a)  $\frac{4}{15}$  (b)  $\frac{16}{15}$   
 (c)  $\frac{9}{15}$  (d)  $\frac{15}{16}$
- 26.**  $1.596 \div 0.19 = \underline{\hspace{2cm}}$   
 (a) 0.84 (b) 0.084  
 (c) 84 (d) 8.4
- 27.**  $72 : \underline{\hspace{1cm}} :: 6 : 8$   
 (a) 86 (b) 96  
 (c) 106 (d) 76
- 28.** If 14 bags of sugar cost ₹3150.  
 Find the cost of 8 such bags.  
 (a) 2250 (b) 1800  
 (c) 1350 (d) 1900
- 29.** The perimeter of a triangle is 90 cm with one of its side as 36 cm. If the other two sides are equal, find their lengths.  
 (a) 37 cm (b) 27 cm  
 (c) 24 cm (d) 36 cm
- 30.** The ratio of 240 cm : 12 metre is \_\_\_\_\_  
 (a) 2 : 5 (b) 1 : 10  
 (c) 1 : 5 (d) 5 : 1
- 31.**  $6t = 2t - 36$ ,  $t = \underline{\hspace{2cm}}$   
 (a) -9 (b) 9  
 (c) -7 (d) 7
- 32.** Which of these numbers is equivalent to  $\frac{5}{8}$ .  
 (a)  $\frac{220}{286}$  (b)  $\frac{140}{192}$   
 (c)  $\frac{130}{186}$  (d)  $\frac{120}{192}$

**33.** A boy's walking pace measures 30 cm. How many metre has he walked after taking 40 paces.

- (a) 12 m                      (b) 12000 cm  
(c) 120 m                      (d) 1.2 m

**34.** The area of hall is  $96 \text{ m}^2$ . Its length is 8 m. Find its perimeter.

- (a) 35 m                      (b) 20 m  
(c) 40 m                      (d) 45 m

**35.** Two sums of money are in the ratio 4 : 5, if the first sum is ₹72, the second sum is \_\_\_\_

- (a) ₹80                      (b) ₹90  
(c) ₹110                      (d) ₹70

**36.**  $35 - [44 - \{6 - (1 - 4 - 7)\}] = \underline{\hspace{2cm}}$

- (a) 6                      (b) 7  
(c) 8                      (d) 9

**37.** Value of x in  $\frac{x}{6} + \frac{1}{3} = 8$

- (a) 48                      (b) -48  
(c) 46                      (d) -46

**38.** If  $\frac{a}{16} + \frac{a}{8} = 9$ , the value of 'a' is \_\_\_\_\_

- (a) 56                      (b) 38  
(c) 46                      (d) 48

**39.** Find the base angles of an isosceles triangle if its vertex angle is  $85^\circ$

- (a)  $85^\circ$                       (b)  $95^\circ$   
(c)  $42.5^\circ$                       (d)  $47.5^\circ$

**40.** A sum of 5 consecutive even numbers is 280, find the smallest of them ?

- (a) 54                      (b) 52  
(c) 56                      (d) 50

### SECTION - 3

- 41.** The perimeter of a rectangular field is 300 m. If the length is 95 m, find its area.  
(a) 5252 sqm                      (b) 5225 sqm                      (c) 5325 sqm                      (d) 52.25 sqm
- 42.** A kettle contains 6 l 800 ml of water. If the water is poured into four 1.45 l bottles, how much water is left in the Kettle?  
(a) 1.2 l                              (b) 750 ml                              (c) 1.25 ml                              (d) 1 l
- 43.** During a sport day, there were 244 more boys than girls and there were 198 fewer teachers than girls. How many people were there altogether if there were 88 teachers?  
(a) 530                              (b) 992                              (c) 904                              (d) 816
- 44.** If the circular playground with the radius 21 metre is levelled at rate of ₹ 45 per square metre. The total cost of levelling the ground is ₹ \_\_\_\_\_  
(a) ₹ 62370                              (b) ₹ 63370                              (c) ₹ 63270                              (d) ₹ 64370
- 45.** If 70% of the students in a school are boys and the girls number is 609. How many boys are there?  
(a) 1221                              (b) 1321                              (c) 1421                              (d) 1521
- 46.**  $\frac{42 \times 0.012 \times 0.8}{0.84 \times 0.4} = ?$   
(a) 1.2                              (b) 0.12                              (c) 0.012                              (d) 12

- 47.** A dealer wishes to make a profit of 40% by selling an article. At what price should he sell the article, if the cost price is ₹ 250 ?  
(a) ₹ 250                      (b) ₹ 350                      (c) ₹ 375                      (d) ₹ 325
- 48.** The smallest number, which when subtracted from the sum of the squares of 13 and 14 gives a perfect square is \_\_\_\_\_.  
(a) 1                              (b) 2                              (c) 3                              (d) 4
- 49.** When an article is sold for ₹ 45, the loss is 25% What is the cost price of the article ?  
(a) ₹ 15                              (b) ₹ 30                              (c) ₹ 60                              (d) ₹ 45
- 50.**  $\frac{1}{4 \times 5} + \frac{1}{5 \times 6} - \frac{9 + 1}{4 \times 5 \times 6} = ?$   
(a) 0                              (b) 10                              (c)  $\frac{6}{4 \times 5 \times 6}$                               (d)  $\frac{-8}{4 \times 5 \times 6}$