

MOCK EXAMINATION PAPER : Set-D

SECTION - 1

1. 39436 less than 89626

= _____

- (a) 50190 (b) 50290
(c) 50090 (d) 50390

2. 11293 more than 49816

= _____

- (a) 61019 (b) 61109
(c) 60119 (d) 61019

3. $(8743 - 3456) + (4340)$

= _____

- (a) 9727 (b) 9427
(c) 9527 (d) 9627

4.

$$\begin{array}{r} 5 \boxed{B} 6 3 \\ + 4 1 \boxed{C} 8 \\ \hline \boxed{A} 6 2 1 \end{array}$$

A + B + C =

- (a) 17 (b) 21
(c) 18 (d) 19

5. 4628 is _____ hundreds more than 1328.

- (a) 29 (b) 31
(c) 33 (d) 23

6.

$$\begin{array}{r} 4 2 8 \\ \times 5 3 3 \\ \hline \hline \end{array}$$

- (a) 228124 (b) 228224
(c) 228024 (d) 228324

7. $26 \overline{)4446}$

- (a) 163 (b) 173
(c) 191 (d) 171

8. $(23 \overline{)184}) + (19 \times 6) - (12 \overline{)180})$

= _____

- (a) 105 (b) 107
(c) 109 (d) 122

9. $[9 \times 11] - [13 \times 4] - [5 \times 14]$

- (a) -23 (b) -25
(c) 25 (d) 23

10. $\frac{35}{210} = \frac{1}{\square}$

The missing number is

- (a) 3 (b) 4
(c) 5 (d) 6

11. $\frac{8}{9} \times \frac{54}{48} \div \frac{5}{6} = \frac{\square}{\square}$

- (a) $\frac{6}{5}$ (b) $\frac{5}{6}$
(c) $\frac{1}{5}$ (d) $\frac{1}{6}$

12. $6\frac{4}{8} \times 64 = \underline{\hspace{2cm}}$

- (a) 406 (b) 416
(c) 426 (d) 436

13. (One fifth of 255) – (Quarter of 512) = _____

- (a) -79 (b) 79
(c) -77 (d) 77

14. Square of 27 + Square of 17 = _____

- (a) 1038 (b) 1028
(c) 1008 (d) 1018

15. Cube of 11 – Cube of 13 = _____

- (a) -866 (b) 766
(c) -766 (d) 866

16. The sum of divisors of 45 is _____

- (a) 68 (b) 88
(c) 98 (d) 78

17. 15 kg 643 g = ____ + 7 kg 147 g

- (a) 8.396 kg (b) 8.596 kg
(c) 8.496 kg (d) 8.296 kg

18. The next number in the series is _____
92, 139, 233, 421, _____

- (a) 787 (b) 797
(c) 767 (d) 807

19. $\sqrt{441} \div \sqrt{49} =$ _____

- (a) 1 (b) 2
(c) 3 (d) 4

20. $16.7 + 34.62 - 33 =$ _____

- (a) 18.32 (b) 18.032
(c) 18.0032 (d) 18.3202

SECTION - 2

- 21.** $A - 2310 = 1023$
 $A = B + 876$
Find the value of B
(a) 2257 (b) 2357
(c) 2557 (d) 2457
- 22.** $5[-13 + \{8 - 6(-18 - 4)\}] = \underline{\hspace{2cm}}$
(a) 635 (b) 735
(c) -735 (d) -635
- 23.** $[144 \div (-16)] \div [-9 \times -4] = \underline{\hspace{2cm}}$
(a) $\frac{1}{4}$ (b) $\frac{1}{36}$
(c) $-\frac{1}{4}$ (d) $-\frac{1}{36}$
- 24.** $0.204 \times 1.7 = \underline{\hspace{2cm}}$
(a) 34.68 (b) 0.3468
(c) 3.468 (d) 0.03468
- 25.** $0.182 \div 2.6 = \underline{\hspace{2cm}}$
(a) 0.7 (b) 0.07
(c) 0.77 (d) 0.007
- 26.** The L.C.M of 24, 28, 32
is _____
(a) 672 (b) 662
(c) 682 (d) 692
- 27.** The H.C.F of 16, 32, 44 is

(a) 1 (b) 11
(c) 32 (d) 4
- 28.** The sum of all prime divisors
of 350 is _____
(a) 19 (b) 10
(c) 14 (d) 17
- 29.** 40% of 920 = _____
(a) 358 (b) 378
(c) 368 (d) 398
- 30.** In 6 innings Rahul scored
43, 58, 86, 92, 55, 62.
His average score is _____
(a) 66 (b) 56
(c) 76 (d) 46
- 31.** 468 decimetre = _____ kilometre
(a) 0.00468 (b) 0.0468
(c) 4.68 (d) 0.468
- 32.** $[11^2 - 5^2 + 3^2] - [\sqrt{784}] = \underline{\hspace{2cm}}$
(a) 89 (b) 79
(c) 87 (d) 77
- 33.** The measure of an angle is
 $\left(39\frac{1}{4}\right)^\circ$. Find the measure of
its supplementary angle
(a) $140\frac{3}{4}^\circ$ (b) $141\frac{1}{4}^\circ$
(c) $141\frac{3}{4}^\circ$ (d) $140\frac{1}{4}^\circ$

34. The length of congruent sides of isosceles triangle is 31.4 cm and perimeter is 100 cm. The length of 3rd side is __ cm

- (a) 38.2 (b) 37.2
(c) 27.2 (d) 47.2

35. $16.9 + y + 11.08 = 17.9$, find the value of 'y'.

- (a) -11.08 (b) -10.08
(c) 10.08 (d) 11.08

36. Perimeter of square = 115 cm its each side = _____ cm

- (a) 38.75 (b) 26.75
(c) 35.75 (d) 28.75

37. Write an algebraic expression for the statement, product of x and 13 subtracted from 28.

- (a) $28 - 13x$ (b) $28 + 13x$
(c) $13x - 28$ (d) $11x$

38. If ₹ 728 is divided between Vikas & Aakash in the ratio 6 : 7, what is Vikas's share ?

- (a) ₹392 (b) ₹336
(c) ₹492 (d) ₹356

39. Which of the following is the Roman numeral for the number obtained when 892 is added to 368 ?

- (a) MCCXL (b) MCCCLX
(c) MCCLX (d) MCLX

40. How many lines of symmetry does letter 'S' has ?

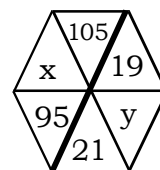
- (a) 1 (b) 2
(c) 4 (d) 0

SECTION - III

41. If $a = 4$, $b = 3$ and $c = -5$, find the value of $5ab - 3b^2c + 2abc$?
(a) 63 (b) 75 (c) -63 (d) -75

42. In the given diagram, numbers into the opposite triangles are related in the same way. Which of the below equations shows relationship between x and y ?

- (a) $x = 5y$ (b) $x + 5 = y$
(c) $x = y + 4$ (d) none of these



43. $12.6 \div 14 + 0.54 \times 3 - 1.4 = \underline{\hspace{2cm}}$
(a) 1.13 (b) 1.02 (c) 1.12 (d) 1.22

44. Which of the following expression is correct.

- (a) $9 \div 9 + 9 \times 9 = 82$ (b) $9 + 9 \div 9 \times 9 = 80$
(c) $9 \times 9 \div 9 + 9 = 16$ (d) $9 - 9 \times 9 + 9 = 83$

45. $A + B = 4160$, $B + C = 3700$

$B = 4$ times of C , Find the value of A .

- (a) 1800 (b) 1600 (c) 1400 (d) 1200

46. Kartik spent ₹ 370 for 6 notebooks and 7 pens, if cost of a notebook is ₹ 36. Find cost of 12 pens?

- (a) ₹ 242 (b) ₹ 286 (c) ₹ 264 (d) ₹ 308

- 47.** 45% of 160 + 35% of 120 + 25% of 800 = _____
(a) 214 (b) 314 (c) 324 (d) 224
- 48.** Which of the following numbers is perfect square number _____
(a) 8955 (b) 7921 (c) 7965 (d) 8964
- 49.** Find the 23rd term in the number sequence. 1, 5, 9, 13,
(a) 88 (b) 79 (c) 89 (d) 99
- 50.** 2nd February 2005, was Tuesday. Which day of the week will be 28th June in that year.
(a) Monday (b) Tuesday (c) Saturday (d) Sunday