

Grade

7

Questions : 50

Total Marks : 100

Duration : 1 Hour

Set

A

General Instructions

- All questions are compulsory.
- The question paper consists of 50 questions divided into four sections A, B, C and D.
Section – A comprises of **10 Questions of 1 mark** each.
Section – B comprises of **20 Questions of 2 marks** each.
Section – C comprises of **10 Questions of 3 marks** each.
Section – D comprises of **10 Questions of 2 marks** each.
- Use of calculator is not permitted.

Section – A

1. $-12 \times [(-3) + (-2)] = ?$

(a) – 60

(b) 60

(c) – 17

(d) 17

2. If the cost of a cake is Rs. 340, what will be the cost of two cakes ?

(a) Rs. 680

(b) Rs. 470

(c) Rs. 700

(d) Rs. 860

3. Find the multiplicative inverse of 7.

(a) – 7

(b) 7

(c) $\frac{1}{7}$

(d) 17

4. $0.7 \times 0.7 = ?$

(a) 0.24

(b) 0.14

(c) 0.45

(d) 0.49

5. $0.3 \times 8 + (-5) \times (-3) = ?$

(a) 1.74

(b) 17.4

(c) 18

(d) 21.4

6. $\frac{-3}{9} \div 0 = ?$

(a) 0

(b) –3

(c) –1

(d) Not defined

7. $\left[\left(\frac{2}{3}\right)^2\right]^3 = ?$

(a) $\left(\frac{2}{3}\right)^6$

(b) $\left(\frac{2}{3}\right)^5$

(c) $\left(\frac{2}{3}\right)^1$

(d) $\left(\frac{2}{3}\right)^{-5}$

8. Rahul bought a cycle for Rs. 2535. Find the money he will get back from the shopkeeper if he paid Rs. 3000.

(a) Rs. 466

(b) Rs. 465

(c) Rs. 440

(d) Rs. 405

9. Shirin has Rs. 400 with her. If she bought an item for Rs. 375, how much money she has left ?

(a) Rs. 15

(b) Rs. 125

(c) Rs. 25

(d) Rs. 50

10. $8 \times 53 \times (-125) = ?$

(a) 5300

(b) - 53000

(c) 50000

(d) None of these

Section - B

11. $\frac{0.025}{5} \times 12 + 1.2 \times (-2) = ?$

(a) 2.46

(b) 2.34

(c) 3.01

(d) - 2.34

12. If $8 : x :: 32 : 20$ then $x = ?$

(a) 5

(b) 4

(c) 6

(d) 3

13. If the cost of 7 toys is Rs. 476, find the cost of 15 such toys.

(a) Rs. 890

(b) Rs. 1000

(c) Rs. 1020

(d) Rs. 764

14. Rahul can type 450 words in half an hour. How many words would he type in 7 minutes?

(a) 100

(b) 105

(c) 90

(d) 79

15. $\frac{22}{0.2} \times [4 \times (-2)] + (-3) + 10 = ?$

- (a) - 783 (b) 870 (c) 893 (d) - 873

16. Convert into fraction : 32%

- (a) $\frac{32}{100}$ (b) $\frac{8}{25}$ (c) both (a) and (b) (d) $\frac{32\%}{100}$

17. Monica buys following items for swimming. Find how much she needs to pay.

Swim suit	Rs. 1245
Armbands	Rs. 632
Kick boards	Rs. 380
Swimming Cap	Rs. 185

- (a) Rs. 2442 (b) Rs. 2542 (c) Rs. 2052 (d) Rs. 2412

18. By selling a rickshaw for Rs. 8800, Sunil loses 12%. For how much should he sell it so that there is no profit or loss ?

- (a) Rs. 11000 (b) Rs. 9000 (c) Rs. 10000 (d) Rs. 7000

19. Add : $(6a - 5a^2)$, $(2a^2 + 7)$, $(3a^2 + 3a)$

- (a) $10a^2 - 7$ (b) $8a^2 + 2$ (c) $9a + 7$ (d) $7a + 9$

20. $0.014 \times 0.02 \times 0.1 \times 12 = ?$

- (a) 0.00336 (b) 0.000336 (c) 0.0336 (d) 0.336

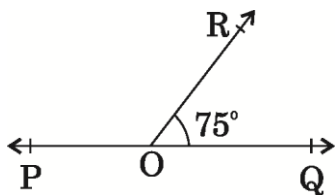
21. $7x - 2 = 3x + 10$, find x.

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

22. Which is a better buy ?

- (a) 3 sets of Pens at Rs. 135 (b) 5 sets of Pens at Rs. 225
 (c) Both (a) and (b) (d) None of these

23. In Fig. PQ is straight line. $\angle ROQ = 75^\circ$, find $\angle POR$



- (a) 15° (b) 100°
(c) 95° (d) 105°

24. Find the perimeter of square of side 15 cm.

- (a) 60 cm (b) 60 cm^2 (c) 45 cm (d) 150 cm

25. $\frac{5}{14}$ of $\frac{28}{15} + \frac{7}{12}$ of $\frac{4}{7} = ?$

- (a) $\frac{5}{3}$ (b) $\frac{3}{2}$ (c) 1 (d) None of these

26. $4\frac{1}{9} - 3 = ?$

- (a) $\frac{37}{9}$ (b) $\frac{27}{9}$ (c) $\frac{10}{9}$ (d) $\frac{12}{9}$

27. Rohini buys a Purse during the sale. If she pays Rs. 736, what was the original price of the purse ?



- (a) Rs. 1462 (b) Rs. 1472 (c) Rs. 1572 (d) Rs. 1562

28. $5^y \times 25^2 = 5^{10}$, find y.

- (a) 6 (b) 7 (c) 5 (d) 10

29. $(2y + 5)(2y + 5) = ?$

- (a) $4y^2 + 20y + 25$ (b) $4y^2 + 15y + 10$ (c) $4y^2 + 15y + 30$ (d) $4y^2 + 20y + 20$

30. Area of rectangle and square are equal. If length and side are 12 and 6 cm respectively of rectangle and square. Find the breadth of that rectangle.

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

Section - C

31. $\frac{1}{2} [\{-2 \times (1 + 2) \times 10\} \times 15] \times 3 = ?$

- (a) 160 (b) - 1350 (c) 145 (d) -13500

32. The ages of A and B are in the ratio 3 : 5. Five years hence, their ages will be in the ratio 2 : 3. The present age of A is

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

33. The cost of 7 tiffin boxes is Rs. 1435 and the cost of 5 water bottles is Rs. 245 each. Find the total amount of tiffin boxes and water bottles.

- (a) Rs. 2660 (b) Rs. 2650 (c) Rs. 2670 (d) None of these

34. If the salary of officer is Rs. 1,00,000. It is increased by 25%. What is his new salary?

- (a) Rs. 250000 (b) Rs. 150000 (c) Rs. 125000 (d) Rs. 12500

35. $-36 + 2 \times [(-3) + (-17)] + (-10) \div 5 = ?$

- (a) - 80 (b) - 38 (c) - 78 (d) 78

36. A ball is bought for Rs. 80 and sold for Rs. 120. The gain % is

- (a) 50% (b) 30% (c) 40% (d) 60%

37. Kranti spends Rs. 137.25 on bottle caps. Each bottle cap costs Rs. 5.49. How many bottle caps did she buy ?

- (a) 20 (b) 25 (c) 16 (d) 24

38. In a race, Devesh covers 6 km in 24 minutes, how much distance will he cover in 48 minutes ?

- (a) 6 km (b) 9 km (c) 12 km (d) 15 km

39. On reducing the value of a chair by 6% it becomes Rs. 658. The original value of the chair is :

- (a) Rs. 700 (b) Rs. 750 (c) Rs. 500 (d) Rs. 720

40. $5\frac{1}{7} - \left\{ 3\frac{3}{10} \div \left(2\frac{4}{5} - \frac{7}{10} \right) \right\} = ?$

- (a) $3\frac{4}{7}$ (b) $4\frac{3}{7}$ (c) $6\frac{3}{7}$ (d) $1\frac{1}{8}$

Section - D

41. 23, 24, 26, 29, 33, 38, 44, ?

- (a) 51 (b) 50 (c) 45 (d) 57

42. Find odd one out : 10, 26, 12, 17, 20

- (a) 10 (b) 26 (c) 17 (d) 20

43. In a certain code 'CARPET' is written as 'RACPET' then what is the code for 'SPREAD' ?

- (a) PSREAD (b) RPSEAD (c) RSRAED (d) None of these

44. A girl was going towards east. She turned left and then turned 90° in anticlockwise direction. In which direction was she going now ?

- (a) East (b) West (c) North (d) South

45. How many 5's are immediately preceded by 4 but not immediately followed by 3 in sequence

5 4 3 7 6 5 4 5 3 6 2 4 5 4 5 5 4 3 7 5 6 4 5 5

- (a) 3 (b) 2 (c) 4 (d) 5

46. Z, YZ, XYZ, WXYZ, ?

- (a) UVWXYZ (b) VWXYZ (c) UWXYZ (d) ABC
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47. Select odd one out

- (a) Coat (b) Shirt (c) Sweater (d) Trousers
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48. In a certain code 'FIRE' is coded as 8695 and MOVE is coded as 1235. Find the code for 'OVER' .

- (a) 2359 (b) 6985 (c) 2593 (d) 5938
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49. Kartik walks 1 km southwards, takes a left turn, walks 6 km, then turns left, walks 5 km and again turning right, walks 5 km. In which direction is he now from the starting point ?

- (a) North (b) East (c) West (d) South
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50. Ritika ranks 11th in a class of 46. What will be her rank from the last ?

- (a) 35 (b) 36 (c) 33 (d) 32

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