

SBI PO Preliminary Exam Sample Question Paper**Quantitative Aptitude****Directions (Qs 1 - 5): What should come in place of the question mark (?) in the following questions?**

1. $(-251 \times 21 \times -12) \div ? = 158.13$

- (1) 250
- (2) 400
- (3) 300
- (4) 150
- (5) None of these

2. $25.6\% \text{ of } 250 + ? = ?$

- (1) 4225
- (2) 3025
- (3) 2025
- (4) 5625
- (5) None of these

3. $36865 + 12473 + 21045 - 44102 = ?$

- (1) 114485
- (2) 28081
- (3) 26281
- (4) 114845
- (5) None of these

4. $(15.20)^2 - 103.04 \div ? = 8$

- (1) 12
- (2) 6.5
- (3) 8.2
- (4) 16
- (5) None of these

5. $7428 \times \frac{3}{4} \times \frac{2}{9} \times ? = 619$

- (1) 0.5
- (2) 1.5
- (3) 0.2
- (4) 2.4
- (5) None of these

Directions (6-10): In the following questions, two equations numbered I and II are given. You have to solve both the equations and give answers.

- (1) If $x > y$
- (2) If $x > y$
- (3) If $x < y$
- (4) if $x < y$

(5) If $x = y$ or the relationship cannot be established.

6. I. $12x^2 + 11x + 12 = 10x^2 + 22x$

II. $13y^2 - 18y + 3 = 9y^2 - 10$

7. I. $18/x^2 + 6/x - 12/x^2 = 8/x^2$

II. $y^3 + 9.68 + 5.64 = 16.95$

8. I. $1225x + 4900 = 0$

II. $(81)^{1/4}y + (343)^{1/3} = 0$

9. I. $(2)^5 + (11)^3 / 6 = x^3$

II. $4y^3 = -(589 \cdot 4) + 5y^3$

10. I. $(x^7/5 \cdot 9) = 169 \cdot x^3/5$

II. $y^{1/4} \times y^{1/4} \times 7 = 273 \cdot y^{1/2}$

Directions (11-15): In the following number series, a wrong number is given. Find out the wrong number.

11. 29, 37, 21, 43, 13, 53, 5

(1) 37

(2) 53

(3) 13

(4) 21

(5) 43

12. 600, 125, 30, 13, 7.2, 6.44, 6.288

(1) 125

(2) 30

(3) 13

(4) 6.44

(5) 7.2

13. 80, 42, 24, 13.5, 8.75, 6.375, 5.1875

(1) 8.75

(2) 13.5

(3) 24

(4) 6.375

(5) 42

14. 10, 8, 13, 15, 35, 135, 671, 4007

(1) 8

(2) 671

(3) 135

(4) 13

(5) 35

15. 150, 290, 560, 1120, 2140, 4230, 8400

(1) 2140

- (2) 4230
- (3) 560
- (4) 290
- (5) 1120

16. A certain amount was to be distributed among A, B and C in the ratio 2 : 3 : 4 respectively but was incorrectly distributed in the ratio 7 : 2 : 5 respectively. As a result of this, B got Rs. 40 less. What is the amount?

- (1) Rs. 210
- (2) Rs. 270
- (3) Rs. 230
- (4) Rs. 280
- (5) None of these

17. Rachita enters a shop to buy ice - creams, cookies and pastries. She has to buy at least 9 units of each. She buys more cookies than ice - creams and more pastries than cookies. She picks up a total of 32 items. How many cookies does she buy?

- (1) Either 12 or 13
- (2) Either 11 or 12
- (3) Either 10 or 11
- (4) Either 9 or 11
- (5) Either 9 or 10

18. The fare of a bus is Rs. X for the first five km and Rs.13 per km thereafter. If a passenger pays Rs. 2402 for a journey of 187 km, what is the value of X?

- (1) Rs. 29
- (2) Rs. 39
- (3) Rs. 36
- (4) Rs. 31
- (5) None of these

19. The product of three consecutive even numbers is 4032. The product of the first and the third is 252. What is the five times the second number?

- (1) 80
- (2) 100
- (3) 60
- (4) 70
- (5) 90

20. The sum of the ages of 4 members of a family 5 yrs ago was 94 yr. Today, when the daughter has been married off and replaced by a daughter - in - law, the sum of their ages is 92. Assuming that there has been no other change in the family structure and all the people are alive, what is the difference in the age of the daughter and daughter - in - law?

- (1) 22yr
- (2) 11 yr
- (3) 25 yr
- (4) 19yr
- (5) 15 yr

21. A bag contains 13 white and 7 black balls. Two balls are drawn at random. What is the probability that they are of the same colour?

- (1) $\frac{41}{190}$
- (2) $\frac{21}{190}$
- (3) $\frac{59}{190}$
- (4) $\frac{99}{190}$
- (5) $\frac{77}{190}$

22. Akash scored 73 marks in subject A. He scored 56% marks in subject B and X marks in subject C. Maximum marks in each subject were 150. The overall percentage marks obtained by Akash in all the three subjects together were 54%. How many marks did he score in subject C?

- (1) 84
- (2) 86
- (3) 79
- (4) 73
- (5) None of these

23. The area of a square is 1444 sq m. The breadth of a rectangle is $\frac{1}{4}$ th of the side of the square and the length of the rectangle is thrice its breadth. What is the difference between the area of the square and the area of the rectangle?

- (1) 1152.38 sq m
- (2) 1169.33 sq m
- (3) 1181.21 sq m
- (4) 1173.25 sq m
- (5) None of these

24. Rs. 73689 are divided between A and B in the ratio 4:7. What is the difference between thrice the share of A and twice the share of B?

- (1) Rs. 36699
- (2) Rs. 46893
- (3) Rs. 20097
- (4) Rs. 26796
- (5) Rs. 13398

25. A and B together can complete a task in 20 days. B and C can complete a task in 30 days. A and C can complete a task in 40 days. What is the respective ratio of the number of days taken by A when completing the same task alone to the number of days taken by C when completing the same task alone?

- (1) 2 : 5
- (2) 2 : 7
- (3) 3 : 7
- (4) 1 : 5
- (5) 3 : 5