



# IBPS Clerk Prelims 2018

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**Simplification (1-10):**

1.  $?^2 + (9^2 + 34) \div 5 = 39$   
 A. 16 B. 2  
 C. 4 D. -4  
 E. None of these

Ans. C.

2.  $6 \times 16 \times 5 \div 3 - ?^2 = 96$   
 A. 4 B. 8  
 C. 16 D. 32  
 E. None of these

Ans. B.

3.  $\sqrt{(124 + ? + 169)} = 18$   
 A. -4 B. 68  
 C. 32 D. 31  
 E. None of these

Ans. D.

4.  $28^2 - ?^3 = 7^3 + 225$   
 A. 6 B. 12  
 C. 18 D. 24  
 E. None of these

Ans. A.

5.  $298 - 13^2 - 2^3 = ? \times 11$   
 A. 12 B. 10  
 C. 13 D. 11  
 E. None of these

Ans. D.

6.  $?% \text{ of } 300 + 16 = 81 + \sqrt{49}$   
 A. 24 B. 36  
 C. 25 D. 21  
 E. None of these

Ans. A

7.  $4/7 \text{ of } 21/32 \text{ of } ? = 81 \times 12$   
 A. 2592 B. 2468  
 C. 3294 D. 2672  
 E. None of these

Ans. A

8.  $50\% \text{ of } X + 3 \times 40 = 220$   
 A. 100 B. 200  
 C. 150 D. 175  
 E. None of these

Ans. B

9.  $33(1/3)\% \text{ of } ? + 32 \times 42 = 35 \times 84$   
 A. 4788 B. 4690  
 C. 4566 D. 4285  
 E. None of these

Ans. A

10.  $(?)^2 + 473 = 24 \times 43 - 66(2/3)\% \text{ of } 501$   
 A. 14 B. 15  
 C. 225 D. 196  
 E. None of these

Ans. B

**Missing Number series (11-15):**

11. 200, 193, 179, 158, ?, 95  
 A. 128 B. 116  
 C. 108 D. 126  
 E. 130

Ans. E.

12. 3, 43, 81, 115, 143, ?  
 A. 160 B. 158  
 C. 163 D. 155  
 E. 153

Ans. C.

13. 1, 6, 25, 76, 153, ?  
 A. 150 B. 144  
 C. 154 D. 165  
 E. 158

Ans. C.

14. 50, 54, 45, 61, 36, ?  
 A. 70 B. 72  
 C. 75 D. 78  
 E. 80

Ans. B.

15. 9, 45, 180, 540, ? 1080  
 A. 1080 B. 1050  
 C. 1020 D. 1120  
 E. 980

Ans. A.

**Data interpretation (table based) (16-20):**

**Direction:** In the following table four persons P,Q,R and S are selling items on different days of week.

	P	Q	R	S
Saturday	45	40	25	20
Sunday	40	55	48	25
Monday	25	20	15	41
Tuesday	35	45	42	39

16. What was the ratio of item sold by P on Saturday & items sold by Q on Sunday?  
 A. 9:11 B. 10:13  
 C. 8:11 D. 9:13  
 E. None of them

Ans. A.

17. Items sold by P on Tuesday is what percent of item sold by S on Sunday?  
 A. 140% B. 130%  
 C. 120% D. 125%  
 E. None of these

Ans. A.



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18. What is the average of the items sold by P, Q and S on Monday, Tuesday and Saturday respectively?
- A. 33                      B. 35  
C. 28                      D. 30  
E. None

Ans. D.

19. Find the ratio of item sold by P on Saturday and Sunday to item sold by S on Monday & Tuesday?
- A. 17:16                      B. 14:11  
C. 16:17                      D. 17:15  
E. None of these

Ans. A

20. Q sold certain items on Wednesday which was 80% of the total items sold by Q on Saturday and Sunday both. find the items sold by Q on Wednesday.
- A. 86                      B. 66  
C. 76                      D. 56  
E. None of these

Ans. C.

**Arithmetic Questions:**

21. A sum becomes 5 times itself on simple interest in 5 years. What is the rate of interest?
- A. 60%                      B. 75%  
C. 80%                      D. 90%  
E. None of these

Ans. C

22. In an exam if 7 marks given for right Ans.s and 4 marks deducted for wrong Ans.s and total marks given to a student is 263, then how many right Ans.s given by student if total attempts is 58?
- A. 44                      B. 45  
C. 42                      D. 40  
E. None of these

Ans. B

23. A passenger train that runs at speed of 78 km/h leaves the station 8 hours after the goods train left and overtakes it is 5 hours. What is the speed of goods train?
- A. 15 km/h                      B. 30 km/h  
C. 60 km/h                      D. 13 km/h  
E. None of these

Ans. B.

24. The difference between Circumference of circle A and diameter is 90 cm. If Radius of Circle B is 7 cm less than A then find area of Circle B?
- A. 616 cm<sup>2</sup>                      B. 308 cm<sup>2</sup>  
C. 77 cm<sup>2</sup>                      D. 49 cm<sup>2</sup>  
E. None of these

Ans. A.

25. The ratio of the principal and the find amount is 5:8 on simple interest in 5 years. What is the rate of interest?
- A. 12%                      B. 14%  
C. 15%                      D. 10%  
E. None of these

Ans. A

26. A man invested 15% of his monthly income in LIC and remaining gave to his mother. Mother spend 10 % of it in household expenses and she had left 30600 then find the salary of man ? #
- A. 41500                      B. 42800  
C. 43400                      D. 40000  
E. None of these

Ans. D

27. In a class there 40 total no of students. Boys are 4 more than number of girls. The average weight of students is 48.4 and that of girls is 44 than find average weight of boys
- A. 50                      B. 48  
C. 44                      D. 52  
E. None of these

Ans. D

28. If the sum of upstream and downstream speed is 36 km/hr and the speed of the current is 3km/hr. Then find time taken to cover of 52.5 km?
- A. 3(1/2) hr                      B. 3(1/3) hr  
C. 4(1/2) hr                      D. 2(3/4) hr  
E. None of these

Ans. A

29. In a city there are 68% population are literate in ratio of male and female is 11:6. And illiterate male to female ratio is 3:1. Find the ratio of literate female to illiterate female.
- A. 1:3                      B. 2:1  
C. 3:1                      D. 2:3  
E. None of these

Ans. C



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30. A is 1.5 times more efficient than B and C is two times efficient than A. A and B take  $7\frac{1}{2}$  days to complete the work. How many days will B & C together take to complete the work?
- A.  $4\frac{1}{6}$  days
  - B.  $5\frac{2}{3}$  days
  - C.  $5\frac{5}{6}$  days
  - D.  $3\frac{5}{6}$  days
  - E. None of these

Ans. E

**Slot-1 Quadratic Equation (31-35):**

**Direction:** In the following question two equations are given in variables X and Y. You have to solve these equations and determine relation between X and Y.

Option-1-If  $X > Y$

Option-2-If  $X < Y$

Option-3-If  $X \geq Y$

Option-4-If  $X \leq Y$

Option-5 If  $X=Y$  or No relation can be established

31.  $x^2 = 196$   
 $y^2 - 26y + 169 = 0$

Ans. Option-5

If  $X=Y$  or No relation can be established

32.  $2x^2 - 7x + 5 = 0$   
 $2y^2 + 4y - 6 = 0$

Ans. Option-3-

If  $X \geq Y$

33.  $x^3 = 343$   
 $y^2 - 196 = 0$

Ans. Option-5

If  $X=Y$  or No relation can be established

34.  $x^2 - 5x + 4 = 0$   
 $4y^2 - 7y + 3 = 0$

Ans. Option-3-

If  $X \geq Y$

35.  $3x^2 + 18x + 24 = 0$   
 $2y^2 - 11y + 15 = 0$

Ans. Option-2

If  $X < Y$

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