

Staff Selection Commission (SSC)

Delhi

Staff Selection Commission (SSC) Multi Tasking Staff (MTS) Numerical Aptitude Exam Model Paper.

Numerical Aptitude

1. The next number of the sequence 51, 52, 56, 65..... is?

a. 75 b. 78 c. 79 d. 81

Ans. d

2. a's salary is 25% more than b's salary. B's salary is how much less than a's salary?

a. 20 % b. 24% c. 25% d. 30%

Ans. A

3. the single discount, which is equivalent to successive discounts of 25% and 10% is

a. 35 b. 32 c. 33 d. 32.5

Ans. D

4. if $2A=3B=4C$ Then A: B: C is

a. 2: 3: 4

b. 4: 3: 2

c. 6: 4: 3

d. non of above

Ans. c

5. $114.01 + 222.01 + ? = 400$

1. 63.98

2. 43.78

3. 736.02

4. -53.98

6. The difference between the circumference and the radius of a circle is 37 cm (use $p = 22 / 7$). The diameter of the circle is

1. 7 cm

2. 14 cm

3. 33 cm

4. 37 cm

7. The LCM of two multiples of 12 is 1056. If one of the numbers is 132, the other number should be

1. 12

2. 72
3. 96
4. Data inadequate

8. The average of seven results is 5; the average of first three is 3, and that of the last three is 7. The fourth result is

1. 6
2. 5
3. 4
4. 3

9. A man walking at the speed of 4 kmph crosses a square field diagonally in 3 minutes. The area of the field is

1. 20000 sq m
2. 25000 sq m
3. 18000 sq m
4. 19000 sq m

10. The area of a rectangular field is 144 sq m. If the length is increased by 5 m, its area increases by 40 sq m. The length of the field is

1. 12 m
2. 14.4 m
3. 16 m
4. 18 m

11. A, B and C are partners and make a profit of Rs. 4800 which is distributed among them in the ratio 6:5:4. The difference of the amounts A and C received is

1. Rs. 640
2. Rs. 1290
3. Rs. 1280
4. Rs. 1600

12. A, B, & C enter into a partnership with investments in the ratio 3:4:9. If at the end of the year, B's share of profit is Rs. 6175, what is the total profit?

1. Rs. 24300
2. Rs. 24600
3. Rs. 24700
4. Rs. 24100

13. X and Y enter into a partnership. X contributes Rs. 8000 and Y contributes Rs. 10000. At the end of six months they introduce Z, who contributes Rs. 6000. After the lapse of three years, they find that the firm has made a profit of Rs. 9660. Find the share of each. (in Rs.)

1. X-3240, Y-4200, Z-2200

2. X-3360, Y-4400, Z-2100
3. X-3360, Y-4200, Z-2100
4. 3260, Y-4000, Z-2200

14. Umedh Singh and Zorawar Singh invested in a business. They earned some profit which they divided in the ratio 2:3. If Umedh Singh invested Rs. 24, the amount invested by Zorawar Singh was

1. Rs. 36
2. Rs. 16
3. Rs. 30
4. Rs. 48

15. Abdul and Aamir invest respectively Rs. 30000 and Rs. 40000 in a business. Abdul receives Rs. 100 per month out of the profit for running the business and the rest of the profit is divided in proportion to the investments. If in a year Abdul totally receives Rs. 3900, what does Aamir receive?

1. Rs. 3500
2. Rs. 3600
3. Rs. 3900
4. Rs. 4200

16. 7 women and 6 men can do what 4 men and 11 women can do in the same time. 19 women can do the same job in how much time?

1. Same
2. Half
3. One-third
4. Two-third

17. If A can walk a certain distance in 40 days when he takes rest 9 hours each day; how much long will he take to walk the same distance twice as fast and rest twice as long each day?

1. 50 days
2. 45 days
3. 38 days
4. 16 days

18. If 20 men or 25 women or 30 boys can do a piece of work in 16 days by working 10 hours a day, then how many men with 10 women and 18 boys can do $3\frac{1}{4}$ times the same work in 26 days by working 8 hours daily?

1. 35 men
2. 30 men
3. 40 men
4. 48 men

19. Some persons can do a job in 12 days. Two times the number of those

persons will do half of that job in

1. 6 days
2. 4 days
3. 12 days
4. 3 days

20. 400 men working 9 hrs a day complete $\frac{1}{4}$ th of the work in 10 days. The number of additional men, working 8 hrs a day, required to done the remaining work in 20 days is

1. 675
2. 275
3. 250
4. 225

21. 25% of 240 will be how much more than 33.33% of 180?

1. 5
2. 10
3. 6
4. Nil

22. 350% of a number is what percent of 250% of that number?

1. 40%
2. 44%
3. 140%
4. 71%

23. If the length of a rectangle is increased by 20% and the width decreased by 20%, the area of the rectangle will

1. Decrease by 4%
2. Increase by 4%
3. Decrease by 1%
4. Not change at all

24. A shopkeeper increases the price of a commodity by 25% and again increases it by 20%. The net percent increase is

1. 45%
2. 40%
3. 50%
4. 47%

25. The cost of a pant is 60% of the cost of a coat and 300% of the cost of a shirt. If all three cost Rs. 2160, the cost of the shirt will be

1. Rs. 290
2. Rs. 280

3. Rs. 360

4. Rs. 240