

# Aptitude Test

Use your college email id

*\* Indicates required question*

1. Email \*

2. Enter Id(s20\*\*\*\*) \*

3. Enter Name \*

4. Select Your Section \*

*Mark only one oval.*

☐ 3A

☐ 3B

☐ 3C

☐ 3D

☐ 3E

☐ 3F

Take Test

Directions

5. 1.A clock is so placed that at 2:00 p.m. the minute hand points towards North-west. In which direction does the hour hand point at 6:00 p.m.? \* 1 point

*Mark only one oval.*

- ☐ North-West
- ☐ West
- ☐ North-East
- ☐ South-East

6. 2.Sowmya Krishnan walked 20 m towards the north. Then she turned right and walks 30 m. Then she turns right and walks 35 m. Then she turns left and walks 15 m. Finally she turns left and walks 15 m. In which direction and how many meters is she from the starting position? \* 1 point

*Mark only one oval.*

- ☐ 15 m West
- ☐ 30 m East
- ☐ 30 m West
- ☐ 45 m East

7. 3.One morning after sunrise, Nandita and Ravi were sitting in a lawn with their backs towards each other. Nandita's shadow fell exactly towards her left-hand side. Which direction was Ravi facing? \* 1 point

*Mark only one oval.*

- ☐ East
- ☐ West
- ☐ North
- ☐ South

8. 4.A clock shows 30 minutes past 2, when both the hands of the clock are rotated by  $90^\circ$  in clockwise direction. What time will the clock show ? \* 1 point

*Mark only one oval.*

- ☐ 5:45  
☐ 11:16  
☐ 4:45  
☐ 11:15

9. 5.x and Y start from the same point X walks 40 m North, then turns West and walks 80 m, then turns to his right and walks 50 m. At the same time, Y walks 90 m North. Where is Y now with respect to the position of X? \* 1 point

*Mark only one oval.*

- ☐ . Y is 30 m to the East of X  
☐ Y is 80 m to the East of X  
☐ Y is 30 m to the west of X  
☐ Y is 80 m to the west of X

10. 6.A child is looking for his father. He went 90 metres in the east before turning to his right. He went 20 metres before turning to his right again to look for his father at his uncle's place 30 metres from this point. His father was not there. From there, he went 100 metres to his north before meeting his father in a street. How far did the son meet his father from starting point? \* 1 point

*Mark only one oval.*

- ☐ 80 metres  
☐ 100 metres  
☐ 140 metres  
☐ 260 metres

11. 7. My watch, which gains uniformly, is 2 min and shows at noon on Sunday, and is 4 min 48 seconds fast at 2PM on the following Sunday. When was it correct? \* 1 point

*Mark only one oval.*

- ☐ Sunday 2PM
- ☐ Tuesday 2PM
- ☐ Monday noon
- ☐ Wednesday noon

12. 8. I drove 50 km towards east from a city 'S' and then turned right and drove another 30 km. Now I turned to my left & drove another 30 km. Finally I turned my right & drove 30 km to reach a city 'F'. Find the shortest straight distance between cities S and F. \* 1 point

*Mark only one oval.*

- ☐ 20km
- ☐ 25km
- ☐ 30km
- ☐ 100km

13. 9. A man is facing north-west. He turns 90° in the clockwise direction, then 180° in the anticlockwise direction and then another 90° in the same direction. Which direction is he facing now? \* 1 point

*Mark only one oval.*

- ☐ south
- ☐ south\_west
- ☐ south\_east
- ☐ east

14. 10. One day, Ravi left home and cycled 10 km southwards, turned right and cycled 5 km and turned right and cycled 10 km and turned left and cycled 10 km. How many kilometres will he have to cycle to reach his home straight? \* 1 point

*Mark only one oval.*

- ☐ 10km
- ☐ 15km
- ☐ 25km
- ☐ 20km

### Percentages And Profit & Loss

15. 1. Ambani, a businessman, started off a business with very little capital. In the first year, he earned a profit of 50% and donated 50% of the total capital (initial capital + profit) to a charitable organisation. The same course was followed in the 2nd and 3rd years also. If at the end of three years he is left with 16,875, then find the amount donated by him at the end of the 2nd year. \* 1 point

*Mark only one oval.*

- ☐ Rs 45,000
- ☐ Rs 12,500
- ☐ Rs 22,500
- ☐ Rs 20,000

16. 2.The ratio of Jim's salary for October to his salary for November was 1.5 \* 1 point  
1.333 and the ratio of the salary for November to that for December was  
2: 2.6666. The worker got 40 rupees more for December than for  
October and received a bonus constituting 40 per cent of the salary for  
three months. Find the bonus. (Assume that the number of workdays is  
the same in every month.)

*Mark only one oval.*

- ☐ 368.888 rupees  
☐ 152.5555 rupees  
☐ 222.22 rupees  
☐ 265.6 rupees

17. 3.Class A has boys to girls in the ratio 2: 3, Class B has girls to boys in \* 1 point  
the ratio 5: 3. If the number of students in Class A is at least twice as  
many as the number of students in Class B, what is the minimum  
percentage of boys when both classes are considered together?

*Mark only one oval.*

- ☐ 33.33%  
☐ 40%  
☐ 39.17%  
☐ 37.5%

18. 4. In the beginning of 2020, the population of three cities 'A', 'B', and 'C' was in the ratio of 4 : 5 : 6 respectively. During the year 2021, the population of respective cities increased by a percentage in the ratio of 7:5:9. In the beginning of 2021, the population of city 'C' was 27000 more than that of the beginning of the year 2020 and in the beginning of the year 2021 the ratio of the population of A: B was 108 : 125 then during the year 2020, what was the sum of the increase in the population of all the cities together? \* 1 point

Mark only one oval.

- ☐ 49500
- ☐ 50500
- ☐ 51500
- ☐ 53500

19. 5. Fresh sugarcane contains 84% water and dried sugarcane contains 28% water. How many kilograms of dried sugarcane can be obtained from 90 kg of fresh sugarcane? \* 1 point

Mark only one oval.

- ☐ 20
- ☐ 35
- ☐ 47
- ☐ 72

20. 6. A trader sells goods to a customer at a profit of  $k\%$  over the cost price, besides it he cheats his customer by giving 880 g only instead of 1 kg. Thus his overall profit percentage is 25%. Find the value of  $k$ ? \* 1 point

Mark only one oval.

- ☐ 8.33%
- ☐ 8.25%
- ☐ 10%
- ☐ 12.5%

21. 7.A tradesman fixed his selling price of goods at 30% above the cost price. He sells half the stock at this price, one quarter of his stock at a discount of 15% on the original selling price and rest at a discount of 30% on the original selling price. Find the gain percent altogether. \* 1 point

Mark only one oval.

- ☐ 14.875%
- ☐ 15.375%
- ☐ 15.575%
- ☐ 16.375%

22. 8.A merchant buys  $p$  apples for ₹  $q$  and sells  $q$  apples for ₹  $p$ . If  $p < q$ , then in the whole outlay, he makes. \* 1 point

Mark only one oval.

- ☐  $10((p^2+q^2)/q^2)\%$ gain
- ☐  $100((q^2-p^2)/q^2)\%$ loss
- ☐  $100((p^2+q^2)/p^2)\%$ loss
- ☐  $100((q^2-p^2)/p^2)\%$ gain

23. 9.A firm of readymade garments makes both men's and women's shirts. Its average profit is 6% of the sales. Its profit in men's shirts average 8% of the sales and women's shirts comprise 60% of the output. The average profit per sale rupee in women shirts is? \* 1 point

Mark only one oval.

- ☐ 0.0466
- ☐ 0.0666
- ☐ 0.0166
- ☐ 0.0366



24. 10.Amar sold his moped to Bharat at 20% profit and Bharat sold it to Sridhar at 10% profit. Sridhar sold the same to a mechanic and received 2, 316. IfAmar had sold the same moped to the mechanic and receive the same amount the mechanic paid to Sridhar, what profit percentage would Amar have made? \* 1 point

*Mark only one oval.*

- ☐ 52%
- ☐ 48%
- ☐ 33.3%
- ☐ Cannot be determined

Feedback Form

25. Enter Your Name \*

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26. Enter Id \*

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27. Level \*

*Mark only one oval.*

- ☐ Easy
- ☐ Medium
- ☐ Hard

28. comments \*

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