

PayTm Aptitude Placement Paper

1. What is the sum of the first 20 natural numbers?

a. 210
b. 200
c. 220
d. 190

Answer: a

2. A train 150 meters long is running at a speed of 60 km/hr. How much time will it take to cross a pole?

a. 7.5 seconds
b. 9 seconds
c. 6 seconds
d. 10 seconds

Answer: b

3. If the cost price of 10 articles is equal to the selling price of 8 articles, what is the profit percentage?

a. 20%
b. 25%
c. 30%
d. 15%

Answer: b

4. A man covers a distance of 40 km in 5 hours. What is his speed in km/hr?

a. 6
b. 7
c. 8
d. 9

Answer: c

5. The ratio of ages of A and B is 4:5. After 8 years, the ratio will be 5:6. What is the present age of A?

a. 24 years
b. 32 years
c. 28 years
d. 36 years

Answer: a

6. A shopkeeper gives a discount of 20% on an article marked at ₹800. What is the selling price of the article?

a. ₹640
b. ₹720
c. ₹680
d. ₹700

Answer: a

7. If $a = 3$ and $b = 4$, what is the value of $\sqrt{a^2 + b^2}$?

a. 5
b. 7
c. 6
d. 8

Answer: a

8. How many prime numbers are there between 10 and 30?

- a. 7
- b. 6
- c. 8
- d. 9

Answer: b

9. If 15 workers can complete a task in 12 days, how many workers are required to complete the task in 6 days?

- a. 30
- b. 25
- c. 20
- d. 15

Answer: a

10. The average of five numbers is 27. If one of the numbers is 35, what is the average of the remaining four numbers?

- a. 25
- b. 26
- c. 24
- d. 23

Answer: b

11. What is the compound interest on ₹10,000 at 10% per annum for 2 years?

- a. ₹2,000
- b. ₹2,100
- c. ₹2,150
- d. ₹2,210

Answer: d

12. A car travels at 60 km/hr for 2 hours and then at 80 km/hr for 3 hours. What is the average speed of the car?

- a. 72 km/hr
- b. 70 km/hr
- c. 74 km/hr
- d. 68 km/hr

Answer: a

13. If $x = 5$ and $y = 3$, what is the value of $2x^2 - 3y^2$?

- a. 19
- b. 29
- c. 49
- d. 59

Answer: c

14. A person spends 80% of his income and saves ₹4,000. What is his total income?

- a. ₹20,000
- b. ₹25,000
- c. ₹22,000
- d. ₹24,000

Answer: b

15. The LCM of 18, 24, and 36 is:

- a. 144
- b. 216
- c. 108
- d. 72

Answer: b

16. A pipe can fill a tank in 6 hours, while another pipe can empty it in 8 hours. How long will it take to fill the tank if both pipes are opened?

- a. 24 hours
- b. 12 hours
- c. 18 hours
- d. 10 hours

Answer: a

17. What is the probability of rolling a sum of 7 on two dice?

- a. $\frac{1}{6}$
- b. $\frac{1}{8}$
- c. $\frac{1}{9}$
- d. $\frac{1}{5}$

Answer: a

18. If $a:b = 2:3$ and $b:c = 4:5$, what is $a:c$?

- a. 8:15
- b. 6:10
- c. 2:5
- d. 3:5

Answer: a

19. The population of a town is 12,000. It increases by 10% annually. What will the population be after 2 years?

- a. 14,520
- b. 14,400
- c. 13,860
- d. 13,200

Answer: c

20. Simplify: $12 \div 4 \times (6 - 2) + 8$

- a. 20
- b. 24
- c. 16
- d. 28

Answer: b

21. If a person walks 15 km at a speed of 3 km/hr, how much time will he take?

- a. 4 hours
- b. 5 hours
- c. 6 hours
- d. 7 hours

Answer: c

22. Find the area of a triangle with a base of 10 cm and height of 15 cm.

- a. 150 cm^2
- b. 75 cm^2
- c. 100 cm^2
- d. 200 cm^2

Answer: b

23. If $3x - 7 = 2$, what is the value of x ?

- a. 3
- b. 4
- c. 5
- d. 6

Answer: c

24. A fruit seller had 500 apples. He sold 40% of them. How many apples are left?

- a. 200
- b. 250
- c. 300
- d. 400

Answer: c

25. Find the value of $81^{(1/2)}$.

- a. 7
- b. 8
- c. 9
- d. 10

Answer: c

26. The simple interest on ₹5,000 at 5% per annum for 3 years is:

- a. ₹750
- b. ₹800
- c. ₹700
- d. ₹900

Answer: a

27. How many seconds are there in 2 hours?

- a. 7,200
- b. 6,000
- c. 7,600
- d. 8,000

Answer: a

28. What is the next number in the sequence: 2, 6, 12, 20, 30?

- a. 40
- b. 42
- c. 36
- d. 48

Answer: c

29. A man's salary is increased by 25%. If his original salary was ₹24,000, what is his new salary?

- a. ₹30,000
- b. ₹28,000
- c. ₹32,000
- d. ₹36,000

Answer: a

30. A wire is bent into the shape of a circle with a radius of 7 cm. What is its length?

- a. 44 cm
- b. 22 cm
- c. 66 cm
- d. 88 cm

Answer: a