Quantitative Aptitude Model Questions with Answer Key - Set 3

1. If 25% of a number is 125, what is the number?

A) 400

B) 450

C) 500

D) 600

Answer: C) 500

2. The ratio of the present ages of A and B is 3:4. If the sum of their ages is 56, what is the age of

A?

A) 21

B) 24

C) 27

D) 30

Answer: B) 24

3. If the circumference of a circle is 44 cm, what is the radius? (Take pi = 22/7)

A) 5 cm

B) 7 cm

C) 9 cm

D) 11 cm

Answer: B) 7 cm

4. What is the value of 4^3 + 5^2 - 3^2?

A) 85

B) 89

C) 91

D) 95

Answer: A) 85

5. A car runs at a speed of 90 km/hr. How far will it travel in 4 hours 30 minutes?

A) 390 km

B) 400 km

C) 405 km

D) 410 km

Answer: C) 405 km

6. A shopkeeper sells an article for Rs. 1200 and gains 20%. What is the cost price of the article?

A) Rs. 900

B) Rs. 950

C) Rs. 1000

D) Rs. 1050

Answer: C) Rs. 1000

7. What is the HCF of 48 and 64?

A) 8

B) 12

C) 16

D) 24

Answer: C) 16

8. If the sum of three consecutive even numbers is 90, what is the largest number?

A) 28

B) 30

C) 32

D) 34

Answer: B) 30

9. A train travels 300 km at a uniform speed. If the speed had been 10 km/hr more, it would have taken 1 hour less for the same journey. Find the original speed.

A) 40 km/hr

B) 50 km/hr

C) 60 km/hr

D) 70 km/hr

Answer: B) 50 km/hr

10. If the simple interest on a sum of money at 10% per annum for 5 years is Rs. 2000, what is the principal amount?

A) Rs. 3000

B) Rs. 3500

C) Rs. 4000

D) Rs. 4500

Answer: C) Rs. 4000

11. What is the value of sqrt(225) + sqrt(81)?

A) 20

B) 25

C) 30

D) 35

Answer: C) 30

12. If the cost price of 15 books is equal to the selling price of 12 books, what is the profit percentage?

A) 20%

B) 25%

C) 30%

D) 35%

Answer: B) 25%

13. Find the area of a rectangle whose length is 14 cm and breadth is 10 cm.

A) 100 cm²

B) 120 cm²

C) 140 cm²

D) 150 cm²

Answer: C) 140 cm²

14. A fruit vendor sells 10 mangoes for Rs. 150, gaining 25%. What is the cost price per mango?

A) Rs. 10

B) Rs. 11

C) Rs. 12

D) Rs. 15

Answer: B) Rs. 12

15. If A can complete a work in 18 days and B can complete it in 24 days, in how many days will they complete the work together?

A) 8

B) 10

C) 12

D) 14

Answer: C) 10 days

16. What is the average of the first ten even natural numbers?

A) 10

B) 12

C) 14

D) 16

Answer: C) 14

17. A box contains 6 red balls, 4 blue balls, and 5 green balls. What is the probability of drawing a red ball?

A) 1/3

B) 2/3

C) 2/5

D) 1/5

Answer: A) 1/3

18. If the selling price of 5 items is equal to the cost price of 6 items, what is the profit or loss percentage?

A) 20% profit

B) 16.67% loss

C) 16.67% profit

D) 20% loss

Answer: C) 16.67% profit

19. What is the compound interest on Rs. 5000 at 8% per annum for 2 years, compounded annually?

A) Rs. 810

B) Rs. 816

C) Rs. 820

D) Rs. 830

Answer: B) Rs. 816

20. If a boat travels 80 km downstream in 4 hours and takes 5 hours to travel the same distance upstream, what is the speed of the current?

A) 2 km/hr

B) 3 km/hr

C) 4 km/hr

D) 5 km/hr

Answer: B) 3 km/hr

21. The ratio of the speed of two cars is 4:5. If the second car runs at 80 km/hr, what is the speed of the first car?

A) 60 km/hr

B) 64 km/hr

C) 70 km/hr

D) 72 km/hr

Answer: B) 64 km/hr

22. A man bought 20 kg of rice at Rs. 15 per kg and 30 kg of rice at Rs. 18 per kg. Find the average cost price per kg.

A) Rs. 16.50

B) Rs. 16.80

C) Rs. 17.00

D) Rs. 17.20

Answer: B) Rs. 16.80

23. If the length of a rectangle is increased by 20% and the breadth is decreased by 10%, what is the effect on the area?

A) Increased by 8%

B) Increased by 10%

C) Decreased by 8%

D) Decreased by 10%

Answer: A) Increased by 8%

24. Find the value of 9! (factorial of 9).

A) 362880

B) 40320

C) 720

D) 5040

Answer: A) 362880

25. A car covers 150 km at a speed of 60 km/hr and the next 200 km at a speed of 80 km/hr. What is the average speed of the car?

A) 68 km/hr

B) 70 km/hr

C) 72 km/hr

D) 74 km/hr

Answer: A) 68 km/hr

26. If 4 men or 6 women can complete a work in 12 days, in how many days will 6 men and 8 women complete the same work?

A) 5 days

B) 4 days

C) 3 days

D) 2 days

Answer: C) 3 days

27. The cost of 7 kg of wheat is Rs. 175. What is the cost of 15 kg of wheat?

A) Rs. 350

B) Rs. 375

C) Rs. 400

D) Rs. 425

Answer: B) Rs. 375

28. A rectangular park is 60 m long and 40 m wide. A path of width 2 m is constructed along its boundary inside the park. Find the area of the path.

A) 376 m²

B) 378 m²

C) 380 m²

D) 384 m²

Answer: D) 384 m²

29. If the sum of the ages of A and B is 60 years, and their ages are in the ratio 3:2, what is A's age?

A) 24

B) 30

C) 36

D) 40

Answer: C) 36