Quantitative Aptitude Model Question Papers

1. Two numbers are in the ratio 2 : 3. If their L.C.M. is 48. what is sum of the numbers?

A. 28

B. 40

C. 64

D. 42

2. Three numbers are in the ratio of 2 : 3 : 4 and their L.C.M. is 240. Their H.C.F. is:

A. 40

B. 30

C. 20

D. 10

3. What is the least number which when divided by 5, 6, 7 and 8 leaves a remainder 3, but when divided by 9 leaves no remainder?

A. 1108

B. 1683

C. 2007

D. 3363

4. The H.C.F. of two numbers is 5 and their L.C.M. is 150. If one of the numbers is 25, then the other is:

A. 30

B. 28

C. 24

D. 20

5. Which of the following integers has the most number of divisors?

A. 101

B. 99

C. 182

D. 176

6. What is the least number which when doubled will be exactly divisible by 12, 14, 18 and 22 ?

A. 1286

B. 1436

C. 1216

D. 1386

7. What is the greatest possible length which can be used to measure exactly the lengths 8 m, 4 m 20 cm and 12 m 20 cm?

A. 10 cm

B. 30 cm

C. 25 cm

D. 20 cm

8. Which of the following fraction is the largest ?

A. 11/12

B. 41/50

C. 21/40

D. 5/6

9. The product of two 2 digit numbers is 2028 and their HCF is 13. What are the numbers ?

A. 26, 78

B. 39, 52

C. 13, 156

D. 36, 68

10.The product of two numbers is 2028 and their HCF is 13. What are the number of such pairs?

A. 4

B. 3

C. 2

D. 1

11.N is the greatest number which divides 1305, 4665 and 6905 and gives the same remainder in each case. What is the sum of the digits in N?

A. 4

B. 3

C. 6

D. 5

12.A boy divided the numbers 7654, 8506 and 9997 by a certain largest number and he gets same remainder in each case. What is the common remainder?

A. 156

B. 199

C. 211

D. 231

13.Find the greatest common divisor of 24 and 16

A. 6

B. 2

C. 4

D. 8

14.A, B and C start at the same time in the same direction to run around a circular stadium. A completes a round in 252 seconds, B in 308 seconds and c in 198 seconds, all starting at the same point. After what time will they again at the starting point ?

A. 36 minutes 22 seconds

B. 46 minutes 22 seconds

C. 36 minutes 12 seconds

D. 46 minutes 12 seconds

15.The ratio of two numbers is 4 : 5. If the HCF of these numbers is 6, what is their LCM?

A. 30

B. 60

C. 90

D. 120

16.What is the smallest number which when diminished by 12, is divisible 8, 12, 22 and 24?

A. 276

B. 264

C. 272

D. 268

16.If 20% of a = b, then b% of 20 is the same as:

A. None of these

B. 10% of a

C. 4% of a

D. 20% of a

17.Two employees X and Y are paid a total of Rs. 550 per week by their employer. If X is paid 120 percent of the sum paid to Y, how much is Y paid per week?

A. Rs. 150

B. Rs. 300

C. Rs. 250

D. Rs. 200

18.In a competitive examination in State A, 6% candidates got selected from the total appeared candidates. State B had an equal number of candidates appeared and 7% candidates got selected with 80 more candidates got selected than A. What was the number of candidates appeared from each State?

A. 8200

B. 7500

C. 7000

D. 8000

19.A rectangular park 60 m long and 40 m wide has two concrete crossroads running in the middle of the park and rest of the park has been used as a lawn. The area of the lawn is 2109 sq. m. what is the width of the road?

A. 5 m

B. 4 m

C. 2 m

D. 3 m

20.A rectangular parking space is marked out by painting three of its sides. If the length of the unpainted side is 9 feet, and the sum of the lengths of the painted sides is 37 feet, find out the area of the parking space in square feet?

A. 126 sq. ft.

B. 64 sq. ft.

C. 100 sq. ft.

D. 102 sq. ft.

21.The length of a rectangle is twice its breadth. If its length is decreased by 5 cm and breadth is increased by 5 cm, the area of the rectangle is increased by 75 sq.cm. What is the length of the rectangle?

A. 18 cm

B. 16 cm

C. 22 cm

D. 20 cm

22. A man's age is 125% of what it was 10 years ago, but 83 1/3 % of what it will be after ten 10 years. What is his present age?

A. 70

B. 60

C. 50

D. 40

23. A father said to his son, “I was as old as you are at the present at the time of your birth”. If the father’s age is 38 years now, what was the son’s age five years back?

A. 20 years

B. 18 years

C. 14 years

D. 22 years

24. Six years ago, the ratio of the ages of Vimal and Saroj was 6 : 5. Four years hence, the ratio of their ages will be 11 : 10. What is Saroj’s age at present?

A. 18

B. 17

C. 16

D. 15

25. Sobha’s father was 38 years of age when she was born while her mother was 36 years old when her brother four years younger to her was born. What is the difference between the ages of her parents?

A. 6 years

B. 5 years

C. 4 years

D. 3 years

26. The present age of a father is 3 years more than three times the age of his son. Three years hence, father’s age will be 10 years more than twice the age of the son. What is father’s present age?

A. 30 years

B. 31 years

C. 32 yeas

D. 33 years

27.A train ,130 meters long travels at a speed of 45 km/hr crosses a bridge in 30 seconds. The length of the bridge is

A. 270 m

B. 245 m

C. 235 m

D. 220 m

28. A train 360 m long runs with a speed of 45 km/hr. What time will it take to pass a platform of 140 m long?
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A. 38 sec

B. 35 s

C. 44 sec

D. 40 s

29.A train moves past a post and a platform 264 m long in 8 seconds and 20 seconds respectively. What is the speed of the train?

A. 79.2 km/hr

B. 69 km/hr

C. 74 km/hr

D. 61 km/hr

30.Two stations P and Q are 110 km apart on a straight track. One train starts from P at 7 a.m. and travels towards Q at 20 kmph. Another train starts from Q at 8 a.m. and travels towards P at a speed of 25 kmph. At what time will they meet?

A. 10.30 a.m

B. 10 a.m.

C. 9.10 a.m.

D. 11 a.m.

Answers:-

(1)B (2)C (3)B (4)A (5)D (6)D (7)D (8)A (9)B (10)C (11)A (12)B (13)D (14)D (15)D (16)A (17)C (18)C (19)D (20)D (21)A (22)D (23)C (24)B (25)C (26)A (27)B (28)C (29)D (30)A