Numerical Ability Question & Answers

1.Let R = qs—4. When s=8, R=16. When s=10, R is equal to

a. 11

b. 14

c. 20

d. 21

Answer-d

2. If 272/3 × 81-1/2 = 3x, the value of x is

a. -1

b. 0

c. 1

d. 2

Answer -b

3. 0.333 .... × 0.444 .... is equal to

a. 0.148148148 ....

b. 0.777 ....

c. 0.121212 ....

d. 1.333 ....

Answer-a

4. On converting the following base-2 numeral in base ten, 1101101, we get

a. 96

b. 104

c. 108

d. 109

Answer-d

5. The number of prime factors of $(6)10 \times (7)17 \times (55)27$

a. 54

b. 64

c. 81

d. 91

Answer-d

6. A train crosses a pole in 15 seconds, while it crosses 100 meter long platform in 25 seconds. The length of the train is -

a. 125m

b. 135 m

c. 159 m

d. 175 m

Answer-c

7.Two taps A and B can fill a tank in 12 minutes and 15 minutes respectively. If both the taps are opened simultaneously and the tap A is closed after 3 minutes, then how much more time will it take to fill the tank by tap B?

a. 7 min & 15 sec

b. 7 min & 45 sec

c. 8 min & 5 sec

d. 8 min & 15 sec

Answer-d

8. The milk and water in two vessels A and B are in the ratio 4:3 and 2:3 respectively. In what ratio, the liquids be mixed in both the vessels so that the new liquid contains half milk and half water?

a. 7:5

b. 1:2

c. 2:1

d. 6:5

Answer-a

9.A car covers a distance of 715 km at a constant speed. If the speed of the car would have been 10 km/hr more, then it would have taken 2 hours less to cover the same distance. What is the original speed of the car?

a. 45 km/hr

b. 50 km/hr

c. 55 km/hr

d. 65 km/hr

Answer-c

10.On selling a certain commodity for Rs. 425, there is as much gain as loss on selling it for Rs. 355. The C.P. of the commodity is

a. Rs. 370

b. Rs. 385

c. Rs. 390

d. Rs. 400

Answer-c

11. A person covered some distance in 12 hours. He covered half the distance by rail @ 75 km per hour and the rest by car @ 45 km/hr. The total distance covered by him was

a. 450 km

b. 675 km

c. 337.5 km

d. 1350 km

Answer-b

12. A sum of Rs. 427 is to be divided among A, B and C in such a way that 3 times A's share, 4 times B's share and 7 times C's share are all equal. The share of C is

a. Rs. 84

b. Rs. 147

c. Rs. 196

d. Rs. 240

Answer-a

13. A and B entered into a partnership investing Rs. 12000 and Rs. 9000 respectively. After 3 months C also joined them with a capital of Rs. 15000. The share of C in the half yearly profit of Rs. 9500 is

a. Rs. 3500

b. Rs. 3000

c. Rs. 2500

d. Rs. 4000

Answer-c

14.A sum of Rs. 800 amounts to Rs. 920 in three years at S.I. If the rate of interest is increased by 5% then the amount will increase to

a. Rs. 950

b. Rs. 980

c. Rs. 1010

d. Rs. 1040

Answer-d

15.The ratio of income of A and B is 5:4 and their expenditure is as 3:2. If at the end of the year, each saves Rs. 800, then the income of A is

a. Rs. 1700

b. Rs. 1800

c. Rs. 2000

d. Rs. 2200

Answer-c

16.A and B can together finish a work in 30 days. They worked at it for 10 days together and then B left. The remaining work was done by A alone in 30 more days. B alone can finish the work in https://www.freshersnow.com/previous-year-question-papers/

a. 48 days

b. 60 days

c. 75 days

d. 90 days

Answer-d

17.The ratio between the curved surface area and the total surface area of a right circular cylinder is 1:2. If the total surface is 616 sq. cm, the volume of the cylinder is

a. 1848 cm3

b. 1232 cm3

c. 1078 cm3

d. 980 cm3

Answer-c

18.A circular wire of radius 42 cm is cut and bent in the form of a rectangle whose sides are in the ratio of 6 : 5. The smaller side of the rectangle is

a. 30 cm

b. 60 cm

c. 72 cm

d. 108 cm

Answer-b

19.A man walking at the rate of 6km per hour crosses a square field diagonally in 9 seconds. The area of the field is-

a. 125 sq. cm

b. 112.5 sq. cm

c. 110 sq. cm

d. 100√2 sq. m

Answer-b

20.A rectangular carpet has an area of 240 sq. cm. If its diagonal and the longer side are together equal to five times the shorter side, the length of the carpet is -

a. 10 cm

b. 24 cm

c. 26 cm

d. 27.5 cm

Answer-b

21.The ratio of 435 : 25 is same as

a. 4 : 1

b. 2 :1

c. 7 : 5

d. 7 :10

Answer-a

22. A sphere and a cube have equal surface areas. The ratio of the volume of the sphere to that of the cube is

a. $\sqrt{\pi} : \sqrt{6}$

b. $\sqrt{\pi} : \sqrt{6}$

c. $\sqrt{\pi} : \sqrt{3}$

d. $\sqrt{6} : \sqrt{\pi}$

Answer-d

23.The marked price of a table is Rs. 3000 and is available at successive discounts of 20% and 10% respectively. If there is an additional discount of 5% on cash payment, then what is the cash price of the table?

a. Rs. 2400

b. Rs. 2160

c. Rs. 2100

d. Rs. 2052

Answer-d

24. Of the three numbers, second is twice the first and is also thrice the third. If the average of the three numbers is 44, the largest number is

a. 24

b. 36

c. 17

d. 72

Answer-d

25. A certain sum becomes Rs. 5290 in 2 years and Rs. 6083.50 in 3 years at C.I. The rate of interest per annum is -

a. 10%

b. 12%

c. 15%

d. 16⅔ %

Answer-c

26.A person borrowed Rs. 500@ 3% per annum S.I and Rs. 600 @4½% per annum on the agreement that the whole amount will be returned only when the total interest becomes Rs. 126. The number of years, after which the borrowed sum is to be returned, is

a. 2

b. 3

c. 4

d. 5

Answer-b

27.A sum of Rs. 12,000 doubles in 5 years at C.I. What will be the amount after 20 years?

a. Rs. 1,20,000

b. Rs. 1,92,000

c. Rs. 1,24,000

d. Rs. 96,000

Answer-b

28. A person sold 320 mangoes for the C.P. of 400 mangoes. His gain percent is

a. 10%

b. 15%

c. 12½%

d. 25%

Answer-d

29.A house owner wants to get his house painted. He is told that this would require 25 kg of paint. Allowing for 15% wastage and assuming that the paint is available in 2kg tins, the number of tins required for painting the house is -

a. 15

b. 12

c. 10

d. 20

Answer-a

30. A person bought some oranges @ Rs. 10 per dozen and bought the same amount of oranges @ Rs. 8 per dozen. He sold these oranges @ Rs. 11 per dozen and gained Rs. 120. The total number of oranges bought by him was -

a. 30 dozen

b. 40 dozen

c. 50 dozen

d. 60 dozen

Answer-d