

Section : Quantitative

(Marks : 40.00)

Ques 1.

Father is aged three times more than his son Ronit. After 8 years, he would be two and a half times of Ronit's age. After further 8 years, how many times would he be of Ronit's age?

1. 2 times 2. $(5/2)$ times 3. 3 times 4. 3 times

Ques 2. A shopkeeper marks his goods 30% above his cost price but allows a discount of 10% at the time of sale. His gain is

1. 21% 2. 20% 3. 18% 4. 17%

Ques 3. A man wants to reach a window which is 40 feet above the ground. The distance from the foot of the ladder to the wall is 9 feet. How long should the ladder be ?

1. 9 feet 2. 81 feet 3. 41 feet 4. 49 feet

Ques 4.

A pump can fill a tank with water in 2 hours. Because of a leak, it took 2 hours to fill the tank. The leak can drain all the water of the tank in:

1. 5 hours 2. 7 hours 3. 8 hours 4. 14 hours

Ques 5. A person having bought goods for Rs. 400 sells half of it at a gain of 5%, at what gain % must he sell the remainder so as to gain 20% on the whole?

1. 30% 2. 32% 3. 34% 4. 35%

Ques 6. If the fractions $8/5$, $7/2$, $9/5$, $5/4$, $4/5$ are arranged in descending order of their values, which one will be fourth?

1. 5-Sep 2. 5-Apr 3. 4-May 4. 5-Aug

Ques 7. Two successive price increase of 10% and 10% of an article are equivalent to a single price increase of

1. $26\frac{2}{3}$ 2. 25% 3. 21% 4. $33\frac{1}{3}$

Ques 8. 4 mat-weavers can weave 4 mats in 4 days. At the same rate, how many mats would be woven by 8 mat-weavers in 8 days?

1. 4 2. 8 3. 12 4. 16

Ques 9. Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

1. 8 min 2. 5 min 3. 10 min 4. 14 min

Ques 10. 1, 5, 8, 10, 11, ?

1. 3 2. 14 3. 12 4. 11

Ques 11.

835, 734, 642, 751, 853, 981, 532

1. 751 2. 853 3. 981 4. 532

Ques 12.

Given that $100.48 = x$, $100.70 = y$ and $xz = y^2$, then the value of z is close to:

1. 1.45 2. 1.88 3. 2.9 4. 3.7

Ques 13. The cost of a car is 400% greater than the cost of a bike. If there is an increase in the cost of the car is 15% and that of bike 20%. Then the total increase in the cost of the 5 cars and 10 bikes is:

1. 17.50% 2. $16\frac{3}{7}$ % 3. 18.50% 4. 18.25%

Ques 14. The marked price of a radio is 20% more than its cost price. If a discount of 10% is given on the marked price, the gain per cent is:

1. 15 2. 12 3. 10 4. 8

Ques 15. A does $\frac{4}{5}$ of the work in 20 days. He then calls in B and they together finish the remaining work in 3 days. How long B alone take to finish the whole work?

1. $37\frac{1}{2}$ days 2. $36\frac{1}{2}$ days 3. $35\frac{1}{2}$ days 4. $34\frac{1}{2}$ days

Ques 16. Vicky's salary is 75% more than Ashu's. Vicky got a raise of 40% on his salary while Ashu got a raise of 25% on his salary. By what percent is Vicky's salary more than Ashu's?

1. 96% 2. 51.10% 3. 90% 4. 52.10%

Ques 17. Speed of a boat in still water is 9 km/hr. It goes 12 km down stream and comes back to the starting point in three hours. What is the speed of water in the stream?

1. 3.5 km/hr 2. 3 km/hr 3. 5 km/hr 4. 5.5 km/hr

Ques 18. A is thrice as good a workman as B, and takes 10 days less to do a piece of work than B takes. B alone can do the whole work in

1. 21 days 2. 15 days 3. 18 days 4. 24 days

Ques 19.

If $2994 \div 14.5 = 172$, then $29.94 \div 1.45 = ?$

1. 0.172 2. 1.72 3. 17.2 4. 172

Ques 20.

If $\log 2 = 0.30103$, the number of digits in 264 is:

1. 18 2. 19 3. 20 4. 21

Ques 21. What is 50% of 40% of Rs. 3,450?

1. Rs. 690 2. Rs. 580 3. Rs. 670 4. Rs. 570

Ques 22. What is the sum of two consecutive even numbers, the difference of whose squares is 84?

1. 32 2. 34 3. 38 4. 42

Ques 23. What is the sum of two consecutive even numbers, the difference of whose squares is 84?

1. 32 2. 34 3. 38 4. 42

Ques 24. A man on tour travels first 160 km at 64 km/hr and the next 160 km at 80 km/hr. The average speed for the first 320 km of the tour is

1. 71.11 km/hr 2. 36 Km/hr 3. 71 Km/hr 4. 36.33 Km/hr

Ques 25. A began a business with Rs. 85,000. He was joined afterwards by B with Rs. 42,500. For how much period does B join, if the profits at the end of the year are divided in the ratio of 3 : 1?

1. 4 months 2. 5 months 3. 6 months 4. 8 months

Ques 26. A dealer offers a cash discount of 20% and still makes a profit of 20%, when he further allows 16 articles to a dozen to a particularly sticky bargainer. How much percent above the cost price were his wares listed?

1. 100% 2. 80% 3. 75% 4. $66\frac{2}{3}\%$

Ques 27. The ratio of daily wages of two workers is 4 : 3 and one gets daily Rs 9 more than the other, what are their daily wages?

1. Rs 80 and Rs 60 2. Rs 60 and Rs 45 3. Rs 36 and Rs 27 4. Rs 32 and Rs 24

Ques 28. In a class, the number of girls is 20% more than that of the boys. The strength of the class is 66. If 4 more girls are admitted to the class, the ratio of the number of boys to that of the girls is

1. 12/30/1899 1:02:00 AM 2. 12/30/1899 3:04:00 AM 3. 12/30/1899 1:04:00 AM 4. 12/30/1899 3:05:00 AM

Ques 29. 10 cats caught 10 rats in 10 seconds. How many cats are required to catch 100 rats in 100 seconds

1. 100 2. 10 3. 20 4. 50

Ques 30.

3, 5, 11, 14, 17, 21

1. 21 2. 17 3. 14 4. 3

Ques 31. A can do a job in 16 days, and B can do the same job in 12 days. With the help of C, they did the job in 4 days. Then, C alone can do the job in

1. $12 \frac{3}{5}$ days 2. $8 \frac{3}{5}$ days 3. $10 \frac{3}{5}$ days 4. $9 \frac{3}{5}$ days

Ques 32. A college has raised 75% of the amount it needs for a new building by receiving an average donation of Rs. 600 from the people already solicited. The people already solicited represent 60% of the people, the college will ask for donations. If the college is to raise exactly the amount needed for the new building, what should be the average donation from the remaining people be solicited?

1. 300 2. 250 3. 400 4. 500

Ques 33. A does half as much work as B in three fourth of the time. If together they take 18 days to complete the work, how much time shall B take to do it ?

1. 32 days 2. 28 days 3. 30 days 4. 35 days

Ques 34. The average monthly salary of 660 workers in a factory is ₹ 380. The average monthly salary of officers is ₹ 2100 and the average monthly salary of the other workers is ₹ 340. Find the number of other workers.

1. 645 2. 650 3. 640 4. 642

Ques 35. A track covers a distance of 550 metres in 1 minute whereas a bus covers a distance of 33 kms in 45 minute. The ratio of their speeds is:

1. 12/30/1899 4:03:00 AM 2. 12/30/1899 3:05:00 AM 3. 12/30/1899 3:04:00 AM 4. 12/30/1899 3:54:00 AM

Ques 36. A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days B had to leave and A alone completed the remaining work. The whole work was completed in

1. 7 days 2. 15 days 3. 12 days 4. 10 days

Ques 37. Weights of two friends Ram and Shyam are in the ratio 4:5. Ram's weight increased 10% and total weight of Ram and Shyam become 82.8 kg, with an increase of 15%. By what percent did the weight of Shyam increase?

1. 19% 2. 10% 3. 21% 4. 16%

Ques 38. If two numbers are respectively 30% and 40% more than a third number, what percent is the first of the second?

1. $92\frac{6}{7}\%$ 2. $84\frac{4}{5}\%$ 3. 80% 4. 75%

Ques 39.

The true discount on Rs. 1760 due after a certain time at 12% per annum is Rs. 160. The time after which it is due is:

1. 6 months 2. 8 months 3. 9 months 4. 10 months

Ques 40. Simran started a software business by investing Rs. 50,000. After six months, Nanda joined her with a capital of Rs. 80,000. After 3 years, they earned a profit of Rs. 24,500. What was Simran's share in the profit?

1. Rs. 9,423 2. Rs. 10,250 3. Rs. 12,500 4. Rs. 10,500

Answers are: Ques 1: 1 Ques 2: 4 Ques 3: 3 Ques 4: 4 Ques 5: 4 Ques 6: 3 Ques 7: 3 Ques 8: 4 Ques 9: 3
Ques 10: 4 Ques 11: 1 Ques 12: 3 Ques 13: 2 Ques 14: 4 Ques 15: 1 Ques 16: 1 Ques 17: 2 Ques 18: 2
Ques 19: 3 Ques 20: 3 Ques 21: 1 Ques 22: 4 Ques 23: 4 Ques 24: 1 Ques 25: 4 Ques 26: 1 Ques 27: 3
Ques 28: 2 Ques 29: 2 Ques 30: 3 Ques 31: 4 Ques 32: 1 Ques 33: 3 Ques 34: 1 Ques 35: 3 Ques 36: 3