Quant Mega Quiz for SSC CHSL

Q1. The average age of a family of 6 members is 33 years. If the age of the youngest member is 8 years, then that what was the average age of the family members just before the birth of the youngest member?
(a) 25 years
(b) 30 years
(c) 38 years
(d) Approx 21 years 5 months

Q2. 529 mangoes were distributed among three boys in the ratio $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$. How many mangoes did the last boy get?
(a) 207 mangoes
(b) 184 mangoes
(c) 138 mangoes
(d) None of these

Q3. The ratios of ages of Sonu : Ravi, Ravi : Gaurav, Gaurav : Prem are 1 : 2, 3 : 4, 5 : 6 respectively. Find the age of Prem if the age of Sonu is 30 years
(a) 30 years
(b) 80 years
(c) 96 years
(d) 40 years

Q4. If the length and breadth of a rectangle are increased by 20% & 25% respectively then find the percentage change in its area.
(a) 50% increase
(b) 22.5% increase
(c) 45% increase
(d) Can't Be Determined

Q5. A boy purchase two same hindi and three same English magazine all for Rs. 268. If each English magazine costs 12% more than each hindi magazine, find the cost of an English magazine?
(a) Rs. 50
(b) Rs. 168
(c) Rs. 56
(d) Rs. 112

Q6. By selling a chair for Rs. 238, a shopkeeper loses 15%. At what price would he sold the chair to gain 25% on the cost price?
(a) Rs. 308
(b) Rs. 350
(c) Rs. 315
(d) Rs. 280

Q7. Due to 25% price hike in the price of petrol, a person is now able to purchase 20 litre less of petrol, for Rs. 5000. Find out the initial price (per litre) of petrol.
(a) Rs. 40/litres
(b) Rs. 50/litres
(c) Rs. 75/litres
(d) Rs. 100/litres

Q8. A shopkeeper marks the price of an article at Rs. 140. Find the cost price of the article if after allowing a discount of 10%, he still gains 20% on the cost price.
(a) Rs. 126
(b) Rs. 95
(c) Rs. 30
(d) Rs. 105

Q9. A sum was invested at simple interest at a certain rate of interest per annum for 3 years. It would have fetched Rs. 270 more had it been invested at 3% higher rate of interest per annum. What was the sum?
(a) Rs. 5400
(b) Rs. 1800
(c) Rs. 3000
(d) Cannot be determined

Q10. 20 men can complete a work in 15 days working 10 hours per day. Find out the number of the men required to complete double the initial work in same number of days working 8 hours per day?
(a) 25 men
(b) 40 men
(c) 50 men
(d) 20 men

Q11. If the compound interest on a certain sum for 2 years at 4% p.a. is Rs. 102, the simple interest at the same rate of interest for two years would be:
(a) Rs. 200
(b) Rs. 50
(c) Rs. 150
(d) Rs. 100

Q12. On what sum does the difference between the compound interest and the simple interest for 3 years at 10% is Rs. 31?
(a) Rs. 1500
(b) Rs. 1200
(c) Rs. 1100
(d) Rs. 1000

Q13. A sum of money at compound interest double itself in 15 years. It will become eight times of itself in
(a) 45 years
(b) 48 years
(c) 54 years
(d) 60 years

Q14. If the amount is 2.25 times of the sum after 2 years at compound interest (compound annually), the rate of interest per annum is:
(a) 25%
(b) 30%
(c) 45%
(d) 50%

Q15. At what percent per annum will Rs. 3000 amounts to Rs. 3993 in 3 years if the interest is compounded annually?
(a) 9%
(b) 10%
(c) 11%
(d) 13%

Q16. In how many years will Rs. 2,000 amounts to Rs. 2,420 at 10% per annum amount interest?
(a) 3 years
(b) 2½ years
(c) 2 years
(d) 1½ years

Q17. If the difference between the compound interest, compounded every six months, and the simple interest on a certain sum of money at the rate of 12% per annum for one year is Rs. 36, the sum is:
(a) Rs. 10,000
(b) Rs. 12,000
(c) Rs. 15,000
(d) Rs. 9,000

Q18. A builder borrows Rs. 2550 to be paid back with compound interest at the rate of 4% per annum by the end of 2 years in two equal yearly installments. How much will each installment be?

(a) Rs. 1352

(b) Rs. 1377

(c) Rs. 1275

(d) Rs. 1283

Q19. The difference between the simple and compound interest on a certain sum of money at 5% rate of interest per annum for 2 years is Rs. 15. Then the sum is:

(a) Rs. 6,500

(b) Rs. 5,500

(c) Rs. 6,000

(d) Rs. 7,000

Q20. If the difference between the compound interest and simple interest on a sum of 5% rate of interest per annum for three years is Rs. 36.60, then the sum is:

(a) Rs. 8000

(b) Rs. 8400

(c) Rs. 4400

(d) Rs. 4800

Q21. If 28 men complete 7/8 of a piece of work in a week, then the number of men, who must be engaged to get the remaining work completed in another week, is

(a) 5

(b) 6

(c) 4

(d) 3

Q22. While working 7 hours a day, A alone can complete a piece of work in 6 days and B alone in 8 days. In what time would they complete it together, working 8 hours a day?

(a) 3 days

(b) 4 days

(c) 2.5 days

(d) 3.6 days

Q23. A man can row 15 km/hr down-stream and 9 km/hr upstream. The speed of the boat in still water is

(a) 8 km/hr

(b) 10 km/hr

(c) 15 km/hr

(d) 12 km/hr

Q24. From two places, 60 km apart, A and B start towards each other at the same time and meet each other after 6 hours. Had A travelled with 2/3 of his speed and B travelled with double of his speed, they would have met after 5 hours. The speed of A is

(a) 4 km/hr.

(b) 6 km/hr.

(c) 10 km/hr.

(d) 12 km/hr.

Q25. A train, 150 m long, passes a pole in 15 seconds and another train of the same length travelling in the opposite direction in 12 seconds. The speed of the second train is

(a) 45 km/hr

(b) 48 km/hr

(c) 52 km/hr

(d) 54 km/hr

Q26. A, B and C start together from the same place to walk round a circular path of length 12 km. A walks at the rate of 4 km/hr., B 3 km/hr and C 3/2 km/hr. They will meet together at the starting place at the end of

(a) 10 hours

(b) 12 hours

(c) 15 hours

(d) 24 hours

Q27. A train travelling at 48 km/hr crosses another train, having half its length and travelling in opposite direction at 42 km/hr, in 12 seconds. It also passes a railway platform in 45 seconds. The length of the railway platform is

(a) 200 m

(b) 300 m

(c) 350 m

(d) 400 m

Q28. Two boats A and B start towards each other from two places, 108 km apart. Speeds of the boats A and B in still water are 12 km/hr and 15 km/hr respectively. If A proceeds down and B up the stream, they will meet after.

(a) 4.5 hours

(b) 4 hours

(c) 5.4 hours

(d) 6 hours

Q29. In a fixed time, a boy swims double the distance along the current that he swims against the current. If the speed of the current is 3 km/hr, the speed of the boy in still water is
(a) 6 km/hr
(b) 9 km/hr
(c) 10 km/hr
(d) 12 km/hr

Q30. A person sold a horse at a gain of 15%. Had he bought it for 25% less and sold it for Rs600 less, he would have made a profit of 32%. The cost price of the horse was
(a) Rs. 3,750
(b) Rs. 3,250
(c) Rs. 2,750
(d) Rs. 2,250