Quant Mega Quiz for SSC CHSL

Q1. A money lender claims to lend money at the rate of 10% per annum simple interest. However, he takes the interest in advance when he lends a sum for one year. At what interest rate does he lend the money actually?
(a) 10%
(b) $10\frac{1}{9}\%$
(c) 11%
(d) $11\frac{1}{9}\%$

Q2. A certain sum doubles in 7 years at simple interest. The same sum under the same interest rate will become 4 times in how many years.
(a) 14
(b) 28
(c) 21
(d) 10

Q3. On a certain sum the simple interest for 12½ year is 3/4 of the sum. Then the rate of interest is:
(a) 5% per year
(b) 6% per year
(c) 7% per year
(d) 8% per year

Q4. A man borrows some amount at the rate of 12% per annum at simple interest. After 6 years 8 months, he paid Rs. 720 as an interest. Find the amount borrowed by him.
(a) Rs. 900
(b) Rs. 960
(c) Rs. 920
(d) Rs. 1620

Q5. The discount on a certain sum of money, due at the end of 2¼ years at $2\frac{2}{3}\%$ p.a. is Rs. 78. Find the sum.
(a) Rs. 1,278
(b) Rs. 1,300
(c) Rs. 1,378
(d) Rs. 1,400

Q6. If the simple interest on Rs. 1 for 1 month is 1 paisa, then the rate percent per annum will be
(a) 10%
(b) 8%
(c) 12%
(d) 6%

Q7. A money lender lends Rs. 400 for 3 years to a person and lends Rs. 500 for 4 years to the other person at the same rate of simple interest. If altogether he receives Rs. 160 as interest, what is the rate of interest per annum
(a) 5%
(b) 7%
(c) 9%
(d) 10%

Q8. The simple interest on a certain sum of money at the rate of 5% per annum for 8 years is Rs. 840. Rate of interest for which the same amount of interest can be received on the same sum after 5 years is
(a) 7%
(b) 8%
(c) 9%
(d) 10%

Q9. If a sum of money doubles itself in 8 years, then the interest rate in percentage is?
(a) 8½%
(b) 10%
(c) 10½%
(d) 12½%

Q10. Alipta got some amount of money from her father. In how many years will the ratio of the money and the interest obtained from it be 10:3 at 6% simple interest per annum?
(a) 7 years
(b) 3 years
(c) 5 years
(d) 4 years

Q11. Rs 730 were divided among A, B, C in such a way that if A gets Rs 3 then B gets Rs 4 and if B gets Rs 3.50 then C gets Rs 3. The share of B exceeds that of C by
(a) Rs 30
(b) Rs 40
(c) Rs 70
(d) Rs 210

Q12. The compound ratio of the inverse ratios of the ratios x : yz, y : zx, z : xy is:
(a) 1 : xyz
(b) xyz : 1
(c) 1 : 1
(d) x : yz

Q13. Rs. 2420 were divided among A, B, C, so that A : B = 5 : 4 and B : C = 9 : 10 then C gets
(a) 680
(b) 800
(c) 900
(d) 950

Q14. 49 kg of blended tea contain Assam and Darjeeling tea in the ratio 5 : 2 then the quantity of Darjeeling tea is to be added to the mixture to make the ratio of Assam to Darjeeling tea 2 : 1 is
(a) 4.5 kg
(b) 3.5 kg
(c) 5 kg
(d) 6 kg

Q15. Among 132 examinees of a certain school, the ratio of successful is 9 : 2, Had 4 more students passed, then the ratio of successful to unsuccessful students will be
(a) 14 : 3
(b) 14 : 5
(c) 28 : 3
(d) 28 : 5

Q16. In a regiment the ratio between the number of officers to soldiers was 3 : 31 before. In a battle 6 officers and 22 soldiers were killed and the ratio became 1 : 13, the number of officers in the regiment before battle was
(a) 31
(b) 38
(c) 21
(d) 28

Q17. Three containers have their volumes in the ratio 3 : 4 : 5. They are full of mixtures of milk and water. The mixtures contain milk and water in the ratio of (4 : 1), (3 : 1) and (5 : 2) respectively. The mixture of all these three containers are poured into a fourth container. The ratio of milk and water in the fourth container is
(a) 4 : 1
(b) 151 : 48
(c) 157 : 53
(d) 5 : 2

Q18. In a college union, there are 48 students, The ratio of the number of boys to the number of girls is 5 : 3. The number of girls to be added in the union, so that the number of boys to girls in 6 : 5 is

(a) 6
(b) 7
(c) 12
(d) 17

Q19. There are three bottles of mixture of syrup and water of ratio 2 : 3, 3 : 4, 7 : 5. 10 litres of first and 21 litres of second bottles are taken. How much quantity from third bottles is to be taken so that final mixture from three bottles will be ratios 1 : 1.

(a) 25 litres
(b) 20 litres
(c) 35 litres
(d) 30 litres

Q20. In a colored picture of blue and Yellow color, blue and Yellow color is used in the ratio of 4 : 3 respectively. If in upper half, blue : Yellow is 2 : 3, then in the lower half blue : Yellow is

(a) 1 : 1
(b) 2 : 1
(c) 26 : 9
(d) 9 : 26

Q21. A and B started a business by investing Rs. 36000 and Rs. 45000 respectively. After 4 months B withdraws 4/9 of his investment. its 5 months After he again invested 11/9 of its original investment. If the total earned profit at the end of the year, is Rs. 117240, then who will get more money as a share of profit and how much?

(a) A, Rs. 15,500
(b) B, Rs. 12,450
(c) A, Rs. 14,245
(d) B, Rs. 13,560

Q22. A, B and C started a business by investing Rs. 24,000, Rs. 32000 and Rs. 18000 respectively. A and B are active partners and get 15% and 12% of total profit and remaining profit is to be distributed among them in the ratio of their investment. If C got total Rs. 65700 as a profit, what was the total amount of profit?

(a) Rs. 4,70,000
(b) Rs. 3,70,000
(c) Rs. 3,45,000
(d) Rs. 1,57,000

Q23. A, B and C hired a pasture. A grazed 12 cows 2 hours every day for 4 months, B grazed 16 cows, 4 hours every day for 6 months and C grazed 6 cows 9 hours everyday for 2 months. If B has paid Rs. 1152 as a share of fare. Find the amount of total Rent?
(a) Rs. 1413
(b) Rs. 1214
(c) Rs. 1764
(d) Rs. 1102

Q24. A started a business with the capital of Rs. 500. After 2 months B joined A with Rs. 400. 6 months after the business started C joined with Rs. 800. If the total profit earned at the end of the year is Rs. 444.Find The Share of their Profit?
(a) Rs. 180, Rs. 120, Rs. 144
(b) Rs. 150, Rs. 130, Rs. 123
(c) Rs. 160, Rs. 141, Rs. 125
(d) Rs. 141, Rs. 110, Rs. 140

Q25. A and B started a business in partnership by investing Rs. 10,000 and Rs. 4000 respectively. Condition of partnership is that B got Rs. 100 per month for management of the business. After paying 5% interest on the capital, annual profit has distributed in the ratio of their investment. Find the share of their profit, if the annual profit is Rs. 4000.
(a) Rs. 3000 each
(b) Rs. 2500 each
(c) Rs. 1500 each
(d) Rs. 2000 each

Q26. A, B and C are partners in a business partnership. An invested Rs. 4000 for whole year. B invested Rs. 6000 initially but increased this investment up to Rs. 8000 at the end of 4 months, while C invested Rs. 8000 initially, but withdraw Rs. 2000 at the end of 9 months, At the end of year total earned profit is Rs. 16950, find their share of profit.
(a) Rs. 3600, Rs. 6600, Rs. 6750
(b) Rs. 2000, Rs. 3050, Rs. 5400
(c) Rs. 2450, Rs. 2460, Rs. 1456
(d) None of these

Q27. Three partners A, B and C invested in the ratio of $\frac{5}{4} : \frac{4}{5} : \frac{6}{5}$ in a business. After 3 months A increased his capital by 50% if the total profit of Rs. 35,700 earned at the end of year, find what was the A's share of profit ?
(a) Rs. 12,000
(b) Rs. 16,500
(c) Rs. 13,000
(d) Rs. 15,600

Q28. Out of total capital required to start a business A invested 30%, B invested 2/5th and C invested the remaining capital. At the end of one year sum of Rs. 4000 is earned as a profit which is 20% of the capital given by B, then find how much C invested in the business ?
(a) Rs. 25000
(b) Rs. 10000
(c) Rs. 15000
(d) Rs. 12450

Q29. A and B started a business in partnership by investing in the ratio of 7 : 9. After 3months A withdraw 2/3 of its investment and after 4 months from the beginning B withdraw $33\frac{1}{3}$% of its investment. If a total earned profit is Rs. 10201 at the end of 9 months, find the share of each in profit.
(a) Rs. 3535, Rs. 6666
(b) Rs. 3055, Rs. 5555
(c) Rs. 4503, Rs. 1345
(d) Rs. 3545, Rs. 3333

Q30. Three partners invested Rs. 42000, Rs. 48000 and Rs. 32000 respectively. Partnership condition is that, each will the get interest on his capital at the rate of 7% per annum and the remaining profit will be divided in the ratio of their capitals. If at the end of the year the total profit is Rs. 32940, then find the share of A in profit.
(a) Rs. 12960
(b) Rs. 11340
(c) Rs. 8640
(d) None of these