Quant Sunday Mega Quiz For SSC CHSL

Q1. Which one is the largest among the fractions (5/113), (7/120), (13/145) and (17/160)?
(a) 5/113
(b) 7/120
(c) 13/145
(d) 17/160

Q2. Nirmit can do 2/3 of a job in 18 days. Kashish is twice as efficient as Nirmit. In how many days Kashish will complete the job?
(a) 29/4
(b) 27/2
(c) 31/2
(d) 13/2

Q3. 40 men took a dip in a pool 30 m long and 25 m broad. If the average water displaced by a man is 5 m^3, then what will be the rise (in cm) in level of the pool?
(a) 25
(b) 26.66
(c) 27.33
(d) 28

Q4. An article is listed at Rs 2375. A man purchases it at two successive discounts of 50% and 25% and spends Rs 165 on repairing of article. If he sells the article at a profit of 62.5%, then what is the selling price (in Rs) of the article?
(a) 1467.6
(b) 1492.6
(c) 1715.39
(d) 1467.6

Q5. The length, breadth and height of a cuboid are in the ratio 19 : 11 : 13. If length is 30 cm more than height, then what is the volume (in cm^3) of this cuboid?
(a) 81510
(b) 89665
(c) 195300
(d) 339625

Q6. Average age of a team having 12 players is 23 years. If the age of the coach is also included, then the average age increases by 2 years. What is the age (in years) of the coach?
(a) 41
(b) 47
(c) 49
(d) 51

Q7. An item is sold at two successive gains of 30% and 20%. If the final selling price is Rs 31200, then what is the cost price (in Rs)?
(a) 15000
(b) 20000
(c) 22250
(d) 24000

Q8. The number of trees in a town is 17640. If the numbers of trees increases annually at the rate of 5%, then how many trees were there 2 years ago?
(a) 14000
(b) 15000
(c) 16000
(d) 19450

Q9. Aman and Kapil starts from Delhi and Gwalior respectively towards each other at same time. They meet at Mathura and then take 196 minutes and 225 minutes respectively to reach Gwalior and Delhi. If speed of Aman is 30 km/hr, then what is the speed (in km/hr) of Kapil?
(a) 28
(b) 30
(c) 225/7
(d) 392/15

Q10. The simple interest on a sum of money for 10 years is Rs 3130. If the principal becomes 5 times after 5 years, then what will be the total interest (in Rs) obtained after 10 years?
(a) 6260
(b) 7825
(c) 9390
(d) 15650

Q11. At a casino, there are four table P, Q, R and S. the pay off at P is 15 : 1, at Q is 12 :1, at R is 18 : 1 and at S is 10 :1, If a man bets Rs 150 at each table and win at two of the table, what is the difference between maximum and minimum his earning ?
(a) 4650
(b) 3000
(c) 1550
(d) 1650

Q12. The Ratio of the density of 3 kinds of petrol A_1, A_2 and A_3 is 13 : 17 : 19. The density of A_1 is 39 gm/cc and A_1, A_2 and A_3 are mixed in the ratio of 3 : 5 : 7 by weight. If a litre of A_3 cost Rs. 38 then find the cost of A_3 in 1050 kg of mixture of A_1, A_2 and A_3

(a) 254.27
(b) 326.67
(c) 357.26
(d) 345.84

Q13. Find the value of x If $(18x + 7) : (7x – 23) = (29x – 4) : (3x – 19)$

(a) 5/2
(b) 3/4
(c) 17/19
(d) None of these

Q14. Two liquid are mixed in the ratio 5 :4 and the mixture is sold at Rs 35 with a loss of 22.22%. If the first liquid is costlier then the second by Rs 9. Find the sum of costs of both the Liquids:

(a) 93
(b) 87
(c) 74
(d) 97

Q15. The number of Apples in three Baskets are in the ratio of 5 : 7 : 11. In which Ratio the no. of Apples in first two baskets must be increased so that the new ratio becomes 6 : 9 : 7

(a) 16 : 25
(b) 19 : 45
(c) 39 : 25
(d) 31 : 50

Q16. Instead of dividing of Rs. 177.5 among P, Q, R in the ratio $\frac{1}{5} : \frac{1}{7} : \frac{1}{3}$, it was divided in the ratio 5 : 7 : 3 by mistake. Who gained most in this transaction?

(a) Only P
(b) Only Q
(c) Only R
(d) Both Q and R

Q17. An employer reduces the number of his employees in the ratio 11 : 9 and increases their wages in the ratio 19 : 23. If the original wage bill was Rs. 731.5, find the ratio in which the wage bill is decreased.

(a) 209 : 207
(b) 210 : 209
(c) 201 : 109
(d) 109 : 201

Q18. P and Q started a business in the ratio of 4 : 9. After 2 year Q left the business but P continues. After 3 years the total profit is Rs. 39000. What is the profit of Q?
(a) Rs. 20400
(b) Rs. 23000
(c) Rs. 25600
(d) Rs. 23400

Q19.A, B and C invest in a business in the ratio 3 : 6 : 5. A and C are working partners. Only B is a sleeping partner hence his share will be 3/4th of what it would have been if he were a working partner. If they make Rs 50,000 profit, half of which is reinvested in the business and the other half is distributed between the partners, then how much does C get (in Rs)?
(a) 20000
(b) 6000
(c)10000
(d)9000

Q20. The sum of two numbers is 20 and their geometric mean is 20% lower than their arithmetic mean. Find the ratio of the numbers.
(a) 4 : 1
(b) 9 : 1
(c) 1 : 1
(d) 17 : 3

Q21. In a ΔABC, a circle is inscribed. It touches the sides AB, BC, and AC at the points P, Q and R respectively. If AP = 2cm, BQ = 5cm and CR = 7cm. Find the area of triangle
(a) $12\sqrt{3}cm^2$
(b) $14\sqrt{5}\ cm^2$
(c) $13\ cm^2$
(d) $16\sqrt{7}\ cm^2$

Q22. A train covers a distance of 576 km at a certain speed. If the speed is decreased by 24 km/hr, it wil take 2 hours more to cover the same distance. Find $33\frac{1}{3}\%$ of original speed.
(a) 32 km/hr
(b) 24 km/hr
(c) 38 km/hr
(d) 28 km/hr

Q23. Four years ago, the ratio of ages of A and B was 3 : 5. Ten years from now, the ratio of the ages of A and B will be 5 : 6. Find the sum of present ages?

(a) 32 years

(b) 24 years

(c) 26 years

(d) 22 years

Q24. For an article, the profit is 220% of the cost price. If the cost price increases by 25% but selling price remains same. Then original profit percentage (approx.)?

(a) 22%

(b) 26%

(c) 29%

(d) 31%

Q25. If a nine digit number 985x3678y is divisible by 72, find the value of x + y

(a) 4

(b) 8

(c) −2

(d) 6