Quant Mega Quiz for RRB NTPC

Q1. The S.I. is 7200 on 12 p.c.p.a. for 6 years on a sum. what is C.I. on 5 p.c.p.a. for 2 years
(a) 1020
(b) 1055
(c) 1050
(d) 1025

Q2. Find the approximate average of the following set of scores
1566, 2455, 1231, 2678, 1989, 3342, 2715
(a) 2590
(b) 2555
(c) 2268
(d) 2282

Q3. What per cent is 25 paise of Rs 100?
(a) 250%
(b) 25%
(c) 2.5%
(d) 0.25%

Q4. If 100 men can do 100 jobs in 100 days, then 1 man can do 1 job in
(a) 1 day
(b) 100 days
(c) 50 days
(d) 10 days

Q5. A motorist travels a distance of 10 km at a speed of 50 km/h in the onward journey and 60 km/h while returning. His average speed is
(a) $54\frac{6}{11}$ km/h
(b) 55 km/h
(c) $55\frac{6}{11}$ km/h
(d) 54 km/h

Q6. The mean of five numbers is 18. If one number is excluded, their mean is 16. The excluded number is
(a) 25
(b) 26
(c) 27
(d) 30

Q7. If after the payment of 3/4 of a loan, Rs. 500 still remain to pay, what is whole amount of the loan?
(a) Rs. 2000
(b) Rs. 2100
(c) Rs. 1700
(d) Rs. 1500

Q8. If 2/3 part of a number is greater than 3/5th of it by 4, what is the number?
(a) 30
(b) 40
(c) 60
(d) 20

Q9. A works twice as fast as B. If both of them can together finish a work in 12 days, B alone can do it in:
(a) 48 days
(b) 36 days
(c) 27 days
(d) 24 days

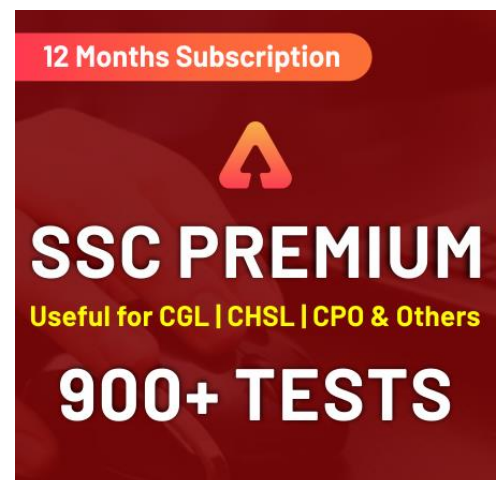**Q10.** The next number of the sequence 2, 5, 10, 14, 18, 23, 26, 32,..... is:
(a) 33
(b) 34
(c) 36
(d) 37

Q11. By selling a pen for Rs. 15, a man loses one-sixth of what it costs him. The cost price of the pen is?
(a) Rs. 16
(b) Rs. 18
(c) Rs. 20
(d) Rs. 21

Q12. If toys are bought at Rs. 5 each and sold at Rs. 4.50 each, then the loss is:
(a) 10%
(b) 11%
(c) 12%
(d) 13%

Q13. Two successive discounts of 5%, 10% are given for an article costing Rs. 850. Present Cost of the article is (in Rs):

(a) 725

(b) 726.75

(c) 700

(d) 650

Q14. If the simple interest on a certain sum of money at 5% per annum for 4 years and 3 years differs by Rs. 42, the sum (in Rs.) is

(a) 840

(b) 820

(c) 800

(d) 760

Q15. Water contains 14(2/7)% of hydrogen and the rest is oxygen. In 350 g of water, oxygen will be:

(a) 300 g

(b) 250 g

(c) 200 g

(d) None of the above

Q16. If a train takes 6 seconds to cross a pole and if the length of train is 120 metres, then the speed of the train in km/hr will be

(a) 60

(b) 72

(c) 70

(d) 80

Q17. If 16 men or 20 women can do a piece of work in 25 days, in what time will 28 men and 15 women do it?

(a) 14 2/7 days

(b) 33 1/3 days

(c) 18 3/4 days

(d) 10 days

Q18. If the 4th term of an arithmetic progression is 14 and the 12th term is 70, then the first term is?

(a) – 10

(b) – 7

(c) + 7

(d) + 10

Q19. The sum of the squares of first ten natural numbers is
(a) 281
(b) 402
(c) 385
(d) 502

Q20. Which among $2^{1/2}, 4^{1/3}, 6^{1/6}$ and $12^{1/12}$ is the largest?
(a) $2^{1/2}$
(b) $6^{1/6}$
(c) $4^{1/3}$
(d) $12^{1/12}$

Q21. If the cost price of 10 chairs be equal to selling price of 16 chairs, then the loss percent is
(a) 9.6
(b) 7.5
(c) 20
(d) 37.5

Q22. An amount of Rs. 6,000 lent at 5% per annum compound interest for 2 years will become
(a) Rs. 600
(b) Rs. 6,600
(c) Rs. 6,610
(d) Rs. 6,615

Q23. At a certain rate of simple interest, a certain sum of money becomes double of itself in 10 years. It will become treble of itself in
(a) 15 years
(b) 18 years
(c) 20 years
(d) 30 years

Q24. The length of each side of an equilateral triangle is $14\sqrt{3}$ cm. The area of the incircle, in cm², is
(a) 450
(b) 308
(c) 154
(d) 77

Q25. A sum of money placed at compound interest doubles in 3 years. In how many years will it become four times?
(a) 5
(b) 6
(c) 4
(d) 7