## Quant Mega Quiz for SSC CHSL
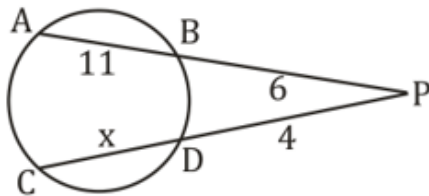
**Q1. Find the value of x is the following figure.**



(a) 22.5
(b) 21.5
(c) 23.5
(d) 24.5

**Q2. If a watch is sold for 255000 Rs. after incurring a loss of 15%. Then, what will be the selling price at the profit of 10%?**
(a) 340000 Rs
(b) 330000 Rs
(c) 335000 Rs
(d) None of these

**Q3. If the difference between the simple interest received after 10 years and 6 years on a sum of money at 10% p.a is 200 Rs. Then find the sum?**
(a) 300 Rs
(b) 400 Rs
(c) 500 Rs
(d) 600 Rs

**Q4. If a person travels with a speed of 20 km/hr from x to y and returns with a speed of 25 km/hr. Then find his average speed?**

(a) $\frac{200}{9}$ km/hr

(b) $\frac{225}{9}$ km/hr

(c) $\frac{231}{9}$ km/hr

(d) $\frac{251}{9}$ km/hr

**Q5. If Shivali's income is 25% more than Kishan's income. What percentage Kishan's income is less than Shivali's income?**
(a) 30%
(b) 20%
(c) 35%
(d) 15%

**Q6. A batsmen makes 77 runs in 11ᵗʰ inning, thereby increasing his average by 3 runs. What is his average score after 11ᵗʰ inning?**
(a) 45
(b) 47
(c) 46
(d) 44

**Q7. Two train 130 m and 110 m long, while going in the same direction. The faster train take one minute to pass the completely. If they are moving in opposite direction, they pass each other completely in 3 seconds. Find the speed of each train:**
(a) 42 m/s, 38 m/s
(b) 38 m/s, 36 m/s
(c) 36 m/s, 44 m/s
(d) None of these

**Q8. Five men and 2 boys, working together, can complete four times as much work per hour as a man and a boy completes working together. The work completed by a man and a boy should be in the ratio:**
(a) 1: 2
(b) 2: 1
(c) 1: 3
(d) 4: 1

**Q9. A can do a piece of work in 30 days, B in 50 days and C in 40 days. If A assisted by B on one day and by C on the next day alternately, the work will be completed in:**
(a) $17\frac{32}{35}$ days / $17\frac{32}{35}$ दिन
(b) $19\frac{2}{3}$ days / $19\frac{2}{3}$ दिन
(c) $16\frac{31}{37}$ days / $16\frac{31}{37}$ दिन
(d) $18\frac{1}{3}$ days / $18\frac{1}{3}$ दिन

**Q10. Kaamran mixes 80 kg of sugar worth of Rs. 6.75 per kg with 120 kg worth of Rs. 8 per kg. At what rate shall he sell the mixture to gain 20%?**
(a) Rs. 7.50
(b) Rs. 9
(c) Rs. 8.20
(d) Rs. 8.85

**Q11.** Dinesh bought two radios for Rs. 1,920. He sold one at a profit of 20% and the other at a loss $6\frac{2}{3}$%. If the selling price of both radios are same, then find the cost Price of both radios.
(a) 800 and 1,120
(b) 840 and 1,080
(c) 860 and 1,060
(d) 900 and 1,020

**Q12.** The reduction of Rs. 12 in the selling price of an article will changes 5% gain into 2½% loss. The cost price of the article is
(a) 140 Rs
(b) 160 Rs
(c) 80 Rs
(d) 100 Rs

**Q13.** An article was sold at a profit of 12%. If the cost price would be 10% less and selling price would be Rs. 5.75 more, there would be profit of 30%. Then at what price it should be sold to make a profit of 20%?
(a) Rs. 115
(b) Rs. 120
(c) Rs. 138
(d) Rs. 215

**Q14.** A radio dealer sold a radio at a loss of 2.5%. Had he sold it for Rs. 100 more he would have gained 10%. In order to gain 12½% he should sell it for ?
(a) Rs. 900
(b) Rs. 1125
(c) Rs. 850
(d) Rs. 925

**Q15.** An article is sold at a gain of 15%. Had it been sold for Rs. 27 more. the profit would have been 20%. The cost price of the article is
(a) Rs. 500
(b) Rs. 700
(c) Rs. 540
(d) Rs. 545

**Q16.** A businessman bought an article and sold it at a loss of 5%. If he had bought it for 10% less and sold it for Rs. 33 more, he would have had a profit of 30%. The cost price of the article is
(a) Rs. 330
(b) Rs. 155
(c) Rs. 150
(d) Rs. 300

**Q17. A shopkeeper sells an article at 15% gain. Had he sold it for Rs. 18 more, he would have gained18%. The cost price (in Rs.) of the article is**
(a) 540
(b) 318
(c) 600
(d) 350

**Q18. A tradesman sold an article at a loss of 20%. If the selling price had been increased by Rs. 100, there would have been a gain of 5%. The cost price of the article (in Rs.) was**
(a) 100
(b) 200
(c) 400
(d) 500

**Q19. There would be a 10% loss. If rice is sold at Rs. 54 per kg. To earn a profit of 20%, the price of rice per kg will be**
(a) Rs. 72
(b) Rs. 70
(c) Rs. 63
(d) Rs. 65

**Q20. Pooja wants to sell a watch at a profit of 20%. She bought it at 10% less and sold it at Rs. 30 less, but still she gained 20%. The cost price of watch**
(a) Rs. 240
(b) Rs. 250
(c) Rs. 220
(d) Rs. 225

**Q21. What is the LCM of $(6x^3 + 60x^2 + 150x)$ and $3x^4 + 12x^3 – 15x^2)$?**
(a) $6x^2 (x + 5)^2 (x – 1)$
(b) $3x^2 (x + 5)^2 (x – 1)$
(c) $6x^2 (x + 5)^2 (x – 1)^2$
(d) $3x^2 (x + 5) (x – 1)^2$

**Q22. If HCF of $(x^2 + x – 12)$ and $(2x^2 – kx – 9)$ is $(x – k)$, then value of k is**
(a) –3
(b) 3
(c) –4
(d) 4

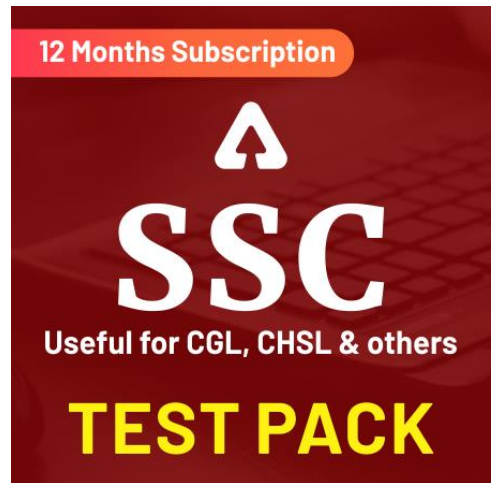**Q23. If $(3x^3 – 2x^2y – 13xy^2 + 10y^3)$ is divided by $(x – 2y)$, then what is the remainder?**
(a) 0
(b) y + 5
(c) y + 1
(d) $y^2 + 3$

**Q24.** Two numbers are such that the sum of twice the first number and thrice the second number is 36 and sum of thrice the first number and twice the second number is 39. Which is the smaller number?

(a) 9

(b) 5

(c) 7

(d) None of these

**Q25.** If the sum and difference of two numbers are 20 and 8 respectively, then the difference of their square is:

(a) 12

(b) 28

(c) 80

(d) 160