

SBI Clerk Prelims Practice Set for Quantitative Aptitude

Directions (1-10): What will come in place of question mark (?) in the following questions

Q1. $\sqrt{5776} - \sqrt{1444} + \sqrt{729} = 43 + ?$

- (a) 25
- (b) 20
- (c) 26
- (d) 24
- (e) 22

Q2. $78 \times 26 \div 6 + 1262 = 1311 + (?)^2$

- (a) 17
- (b) 22
- (c) 15
- (d) 13
- (e) 19

Q3. $1484 \div 28 + 1462 \div 34 - 12 \times 7 = ?$

- (a) 12
- (b) 14
- (c) 18
- (d) 16
- (e) 20

Q4. $42.5 \times 15 + 37.5 \times 25 = 1420 + ?$

- (a) 145
- (b) 165
- (c) 155
- (d) 170
- (e) 185

Q5. $2450 + 3760 - 3830 = 6000 - ?$

- (a) 3610
- (b) 3620
- (c) 3580
- (d) 3600
- (e) 3520

Q6. $\sqrt{\frac{3840}{60} + \frac{1440}{40} - \frac{1330}{70}} = ?$

- (a) 10
- (b) 9
- (c) 8
- (d) 7
- (e) 11



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Q7. $25 \times 18 + \frac{4200}{40} - \frac{525}{105} = 740 - ?$

- (a) 200
- (b) 220
- (c) 190
- (d) 170
- (e) 150

Q8. $3845 + 4380 + 2640 - 5965 = (?)^2$

- (a) 75
- (b) 60
- (c) 80
- (d) 70
- (e) 72

Q9. $400 \div 20 \times 35 + 6666 \div 33 + ? = 1100$

- (a) 180
- (b) 198
- (c) 195
- (d) 205
- (e) 200

Q10. $28 \times 14.5 + 1680 \div 15 + 445 = 1000 - ?$

- (a) 27
- (b) 37
- (c) 47
- (d) 50
- (e) 40

Directions (11-15): Study the given table carefully and answer the questions.

Table given below shows the percentage of Cricket players in five different schools in two different years and the difference between cricket and Hockey players in five different schools in the given years.

School	2016		2017	
	% cricket player	Difference	% cricket player	Difference
X	40%	80	80%	120
Y	25%	150	45%	80
Z	20%	180	48%	160
K	70%	320	60%	140
L	55%	100	75%	250

Note – In all the 5 given schools, only two games are played – Cricket & Hockey.

Q11. Hockey players in school X and Z together in year 2016 is how much more/less than Cricket players in same school together in year 2017?

- (a) 1200
- (b) 1800
- (c) 1500
- (d) 1600
- (e) 800

Q12. Cricket players in school K and L together in year 2016 is what percent of Hockey players in school Y in year 2017?

- (a) $252\frac{3}{11}\%$
- (b) $257\frac{3}{11}\%$
- (c) $274\frac{3}{7}\%$
- (d) $262\frac{4}{11}\%$
- (e) 258%

Q13. Find the average of Cricket players in school Y in year 2016, school Z in year 2016 and school Z in year 2017?

- (a) 725
- (b) 685
- (c) 620
- (d) 645
- (e) 575

Q14. What is the ratio of Hockey players in school Y in year 2017 to the Cricket players in school L in year 2016?

- (a) 3 : 5
- (b) 5 : 3
- (c) 3 : 4
- (d) 5 : 4
- (e) 4 : 5

Q15. Hockey players in school K in year 2017 is what percent more/less than Cricket players in same school in year 2016?

- (a) 75%
- (b) 60%
- (c) 50%
- (d) 45%
- (e) 40%

Directions (16-20): What will come in place of question mark (?) in the following series questions?

Q16. 21, 22, ?, 35, 51, 76

- (a) 28
- (b) 23
- (c) 24
- (d) 26
- (e) 29

Q17. 128, ?, 32, 16, 8, 4

- (a) 64
- (b) 60
- (c) 68
- (d) 56
- (e) 72

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Q18. 16, 22, 28, 34, 40, ?

- (a) 44
- (b) 46
- (c) 48
- (d) 42
- (e) 50

Q19. 1, 8, 27, ?, 125, 216

- (a) 68
- (b) 66
- (c) 62
- (d) 60
- (e) 64

Q20. 20, ?, 12, 19, 39, 98.5

- (a) 9
- (b) 10
- (c) 11
- (d) 24
- (e) 12

Q21. In a 10 overs match, a team has scored runs at rate 7.5 in first 6 overs and 8.5 in next 2 over and scored 42 runs in last 2 over. Find overall run rate of the team in the match.

- (a) 10.40
- (b) 10.89
- (c) 10.04
- (d) 10.43
- (e) 10.23

Q22. Johny calculates his profit at cost price while Jini at selling price. If cost price is same for all and everyone calculate their profit as 10%. Find ratio of selling price.

- (a) 100:111
- (b) 10:11
- (c) 10:101
- (d) 99:100
- (e) Cannot be determined

Q23. There are 5 phones cover in a bag which are red & green in color. A cover is drawn at Random. The probability of getting a red cover is 0.6. find green covers.

- (a) 1
- (b) 2
- (c) 3
- (d) 4
- (e) 5

Q24. In how many ways 5 girls and 3 boys be arranged in a row all facing north such that no boy sit together?

- (a) 14400
- (b) 1200
- (c) 140
- (d) 120
- (e) 2400

Q25. Shreyas walks at a speed of 4 kmph for half an hour and rides bicycle at 10 kmph for next 20 minutes and finally in car at 50 kmph for 10 minutes. Find his average speed during the entire journey. (in kmph)

- (a) 13.67
- (b) 12
- (c) 21.33
- (d) 15
- (e) 18.67

Q26. If the length and breadth of a rectangle is increased by 20% and 10% respectively, then find the percentage increase in the area of the rectangle?

- (a) 36 %
- (b) 32%
- (c) 28%
- (d) 40%
- (e) 34%

Q27. If pipe A alone and Pipe B alone can fill a tank in 20 min and 30 min respectively and pipe C alone can empty it in 10 min. If the tank is completely filled, then find the time taken to empty the tank if all the three pipes are opened simultaneously?

- (a) 45 min
- (b) 50 min
- (c) 60 min
- (d) 40 min
- (e) 55 min

Q28. An amount of 4000 rs is invested at 20% per annum for 2 yrs at compound interest compounding half-yearly, then find the total interest amount received after 2 yrs ?

- (a) Rs 1856.4
- (b) Rs 1812.4
- (c) Rs 1882.4
- (d) Rs 1912.4
- (e) None of these

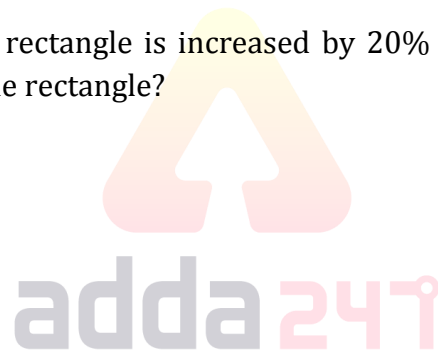


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Q29. In a basket, there are 7 green ball, 6 blue ball and 5 red balls and if 2 balls are selected randomly from the basket, then what is the probability that both are either green or red ?

- (a) $\frac{31}{153}$
- (b) $\frac{31}{143}$
- (c) $\frac{37}{153}$
- (d) $\frac{38}{151}$
- (e) $\frac{31}{156}$

Q30. A container is full of 75 litre milk. If 15 litre content of container is replaced by water and the same process is further repeated two times, then find the quantity of milk left in the final solution?

- (a) 36.4 litre
- (b) 38.4 litre
- (c) 40 litre
- (d) 41.4 litre
- (e) 48.4 litre

Direction (31-35): In each of these questions, two equations (I) and (II) are given. Solve the equations and mark the correct option:

Q31. I. $2x^2 + 10x + 12 = 0$

II. $y^2 + 10x + 25 = 0$

- (a) $x > y$
- (b) $x \geq y$
- (c) $x < y$
- (d) $x \leq y$
- (e) $x = y$ or relation can't be established.

Q32. I. $x^2 - 5x + 6 = 0$

II. $y^2 + 7y + 6 = 0$

- (a) $x > y$
- (b) $x \geq y$
- (c) $x < y$
- (d) $x \leq y$
- (e) $x = y$ or relation can't be established.

Q33. I. $x^2 = 625$

II. $y = \sqrt{625}$

- (a) $x > y$
- (b) $x \geq y$
- (c) $x < y$
- (d) $x \leq y$
- (e) $x = y$ or relation can't be established.

Q34. I. $2x - 3y = 0$

(a) $x > y$

(b) $x \geq y$

(c) $x < y$

(d) $x \leq y$

(e) $x = y$ or relation can't be established.

II. $4x - 2y = 16$

Q35. I. $x^3 = 1331$

(a) $x > y$

(b) $x \geq y$

(c) $x < y$

(d) $x \leq y$

(e) $x = y$ or relation can't be established.

II. $y = \sqrt[3]{1331}$

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