

(Papers) IBPS PO Exam Paper - 2016 "Held on: 16-10-2016"

:: Quantitative Aptitude ::

1. If the male population above poverty line for State R is then what is the total population of

- (1) 4.5 Trillion
- (2) 4.85 million
- (3) 5.33 million
- (4) 6.25 million
- (5) 6 million

2. What will be the number of females above poverty line in the State S if it is known that the population of State S is 7 million ?

- (1) 3 million
- (2) 2.13 million
- (3) 1.33 million
- (4) 5.7 million
- (5) 4 million

3. What is the male population above poverty line for State P if the female population below poverty line for State P is 2.1 million ?

- (1) 2.1 million
- (2) 2.7 million
- (3) 3.3 million
- (4) 2.3 million
- (5) 3 million

4. If the population of males below poverty line for State Q is 2.4 million and that for State T is 6 million, then what is the respective ratio of the total population of states Q and T ?

- (1) 1 : 3
- (2) 2 : 5
- (3) 3 : 7
- (4) 4 : 9
- (5) 3 : 9

5. Find the probability that a number from 1 to 300 is divisible by 3 or 7 ?

- (1) $\frac{37}{75}$
- (2) $\frac{32}{75}$
- (3) $\frac{36}{75}$
- (4) $\frac{28}{75}$
- (5) $\frac{26}{75}$

6. 14 men can do a work in 18 days, 15 women can do a work in 24 days. If 14 men work for first three days and 10 women work after that for three days, find the part of work left after that ?

- (1) $\frac{3}{4}$
- (2) $\frac{1}{4}$
- (3) $\frac{1}{2}$
- (4) $\frac{1}{6}$
- (5) $\frac{1}{5}$

7. Perimeter of a rectangle is x and circumference of a circle is 8 more than the perimeter of the rectangle. Ratio of radius of circle and length of the rectangle is 1:2 and ratio of length and breadth of rectangle is 7:3. Find the length of the rectangle?

- (1) 14
- (2) 21
- (3) 28
- (4) 35
- (5) 7

8. A invests on some scheme at 5% and B at 3% for two years. If the total sum invested by A and B is 4000 and the simple interest received by both is same then find the amount invested by A.

- (1) Rs. 1,300/-
- (2) Rs. 1,500/-
- (3) Rs. 2,500/-
- (4) Rs. 2,700/-
- (5) Rs. 2,100/-

9. Two trains crosses each other in 14 sec when they are moving in opposite direction, and when they are moving in same direction they crosses each other in 3 min 2 sec. Find the speed of the faster train by what percent more than the speed of the slower train ?

- (1) 16.67%

- (2) 17.33%
- (3) 16.33%
- (4) 17.67%
- (5) 18.33%

10. 11 20 38 74 ?

- (1) 146
- (2) 154
- (3) 128
- (4) 132
- (5) 136

11. 15 21 38 65 101 ?

- (1) 124
- (2) 145
- (3) 136
- (4) 158
- (5) 162

12. 24 28 19 35 10 ?

- (1) 26
- (2) 36
- (3) 16
- (4) 46
- (5) 15

13. 7 16 45 184 915 ?

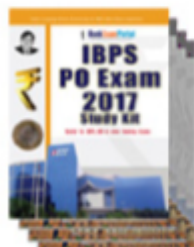
- (1) 2092
- (2) 5496
- (3) 1048
- (4) 4038
- (5) 3268

14. 12 19 35 59 90 ?

- (1) 134
- (2) 127
- (3) 132 (4) 98
- (5) 114

Directions (15-19) : Study the following table and answer the questions that follow.

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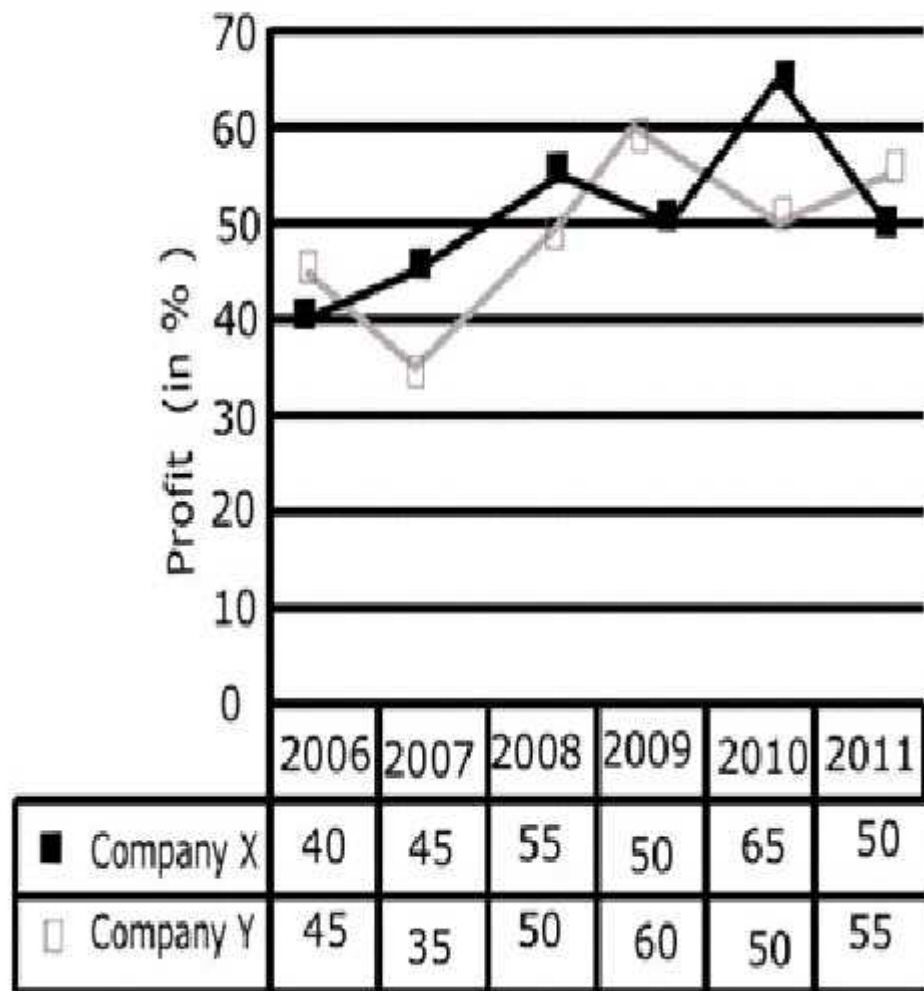
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15. The incomes of companies X and Y in 2010 were in the ratio of 3 : 4 respectively. What was the respective ratio of their expenditures in 2010 ?

- (1) 7 : 22
- (2) 14 : 19
- (3) 15 : 22
- (4) 27 : 35
- (5) 35 : 49

16. If the expenditure of company Y in 2007 was ₹ 220 crores, what was its income in 2007 ?

- (1) Rs. 312 crores
- (2) Rs. 297 crores
- (3) Rs. 283 crores
- (4) Rs. 275 crores
- (5) Rs. 250 crores

17. If the expenditures of companies X and Y in 2006 were equal and the total income of two companies in 2006 was ₹ 342 crores, what was the total profit of two companies together in 2006 ? (Profit = Income - Expenditure)

- (1) Rs. 240 crores
- (2) Rs. 171 crores
- (3) Rs. 120 crores
- (4) Rs. 102 crores
- (5) Rs. 150 crores

18. The expenditure of company X in the year 2008 was Rs. 200 crores and the income of company X in 2008 was the same as its expenditure in 2011.

What is the income of Company X in 2011?

- (1) Rs. 385 crores
- (2) Rs. 465 crores
- (3) Rs. 335 crores
- (4) Rs. 295 crores
- (5) Rs. 250 crores

19. If the incomes of two companies were equal in 2009, then what was the ratio of expenditure of Company X to that of Company Y in 2009 ?

- (1) 6 : 5
- (2) 5 : 6
- (3) 11 : 6
- (4) 16 : 15
- (5) 20 : 11

Directions (20-24) : In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and Give answer :

(1) If $x > y$

(2) If $x \geq y$

(3) If $x < y$

(4) If $x \leq y$

(5) If $x = y$ or relationship between x and y cannot be established.

20. I. $3x^2 - 22x + 7 = 0$

II. $y^2 - 15y + 56 = 0$

21. I. $2x^2 - 17x + 36 = 0$

II. $2y^2 - 19y + 44 = 0$

22. I. $x - 169 = 0$

II. $y^2 - 169 = 0$

23. I. $3x^2 + 20x + 25 = 0$

II. $3y^3 + 14y + 8 = 0$

24. I. $3x^2 + 5x + 2 = 0$

II. $3y^3 + 18y + 24 = 0$

25. A seller marks the price 50% above the cost price and gives 10% discount on an item. While selling, he cheats customer by giving 20% less in weight. Find his overall profit percent (approximate) ?

(1) 26%

(2) 65%

(3) 68%

(4) 72%

(5) 76%

26. There are 81 litre pure milk in a container. One-third of milk is replaced by water in the container. Again one-third of mixture is extracted and equal amount of water is added. What is the ratio of milk to water in the new mixture ?

(1) 1 : 2

(2) 1 : 1

(2) 2 : 1

(4) 4 : 5

(5) None of these

27. A is 2 years older than B while B is 3 years younger than C. The ratio of age of A, 6 years hence and B, 2 years ago is 5:3. What was age of C, 6 years ago ?

(1) 12 years

(2) 19 years

(3) 15 years

(4) 14 years

(5) 21 years

28. A, B and C started a business with their investments in the ratio 1 : 2 : 4. After 6 months, A invested the half amount more as before and B invested same the amount as before while C

withdrew 1/4th of his investment.

Find the ratio of their profits at the end of the year.

(1) 5 : 12 : 13

(2) 5 : 11 : 14

(3) 5 : 12 : 14

(4) 5 : 12 : 10

(5) None of these

29. The average marks in Science subject of a class of 20 students is 68. If the marks of two students were misread as 48 and 65 of the actual marks 72 and 61 respectively, then what would be the correct average ?

- (1) 68.5
- (2) 69
- (3) 69.5
- (4) 70
- (5) 66

Directions (30-34) : What should come in the place of question mark (?) in the given questions ?

30. 40% of 265 + 35% of 180 = 50% of ? + ?% of 80

- (1) 80
- (2) 95.5
- (3) 130
- (4) 125.5

31. $\frac{1}{10}$ of 157 = ?

- (1) 0.43
- (2) 12.56
- (3) 0.91
- (4) 17.25
- (5) 9.50

32. $\frac{1}{10}$ of 416 = (60% of 920) - 110

- (1) 576
- (2) 676
- (3) 784
- (4) 1024
- (5) 1156

33. (682% of 782) \div 856 = ?

- (1) 4.50
- (2) 10.65
- (3) 2.55
- (4) 8.75
- (5) 6.25

34. 15.5% of 850 + 24.8% of 650 = ?

- (1) 295
- (2) 330
- (3) 270
- (4) 375
- (5) 220

35. The time taken by a boat to travel; 'x' km upstream is twice the time taken by the same boat to travel 'x' km downstream. If speed of the boat in still water is 12 km/h. what is the speed of current ? (in km/h)

- (1) 3
- (2) 4
- (3) 3.5
- (4) 4.5
- (5) None of these

Answer Key

1. (4) 2. (2) 3. (3) 4. (2) 5. (2) 6. (1) 7. (3) 8. (2) 9. (1) 10. (1) 11. (2) 12. (2) 13. (2) 14. (2) 15. (3) 16. (2)
17. (4) 18. (2) 19. (4) 20. (4) 21. (4) 22. (5) 23. (5) 24. (1) 25. (3) 26. (4) 27. (4) 28. (5) 29. (2) 30. (3)
31. (2) 32. (2) 33. (5) 34. (1) 35. (2)



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