oliveboard

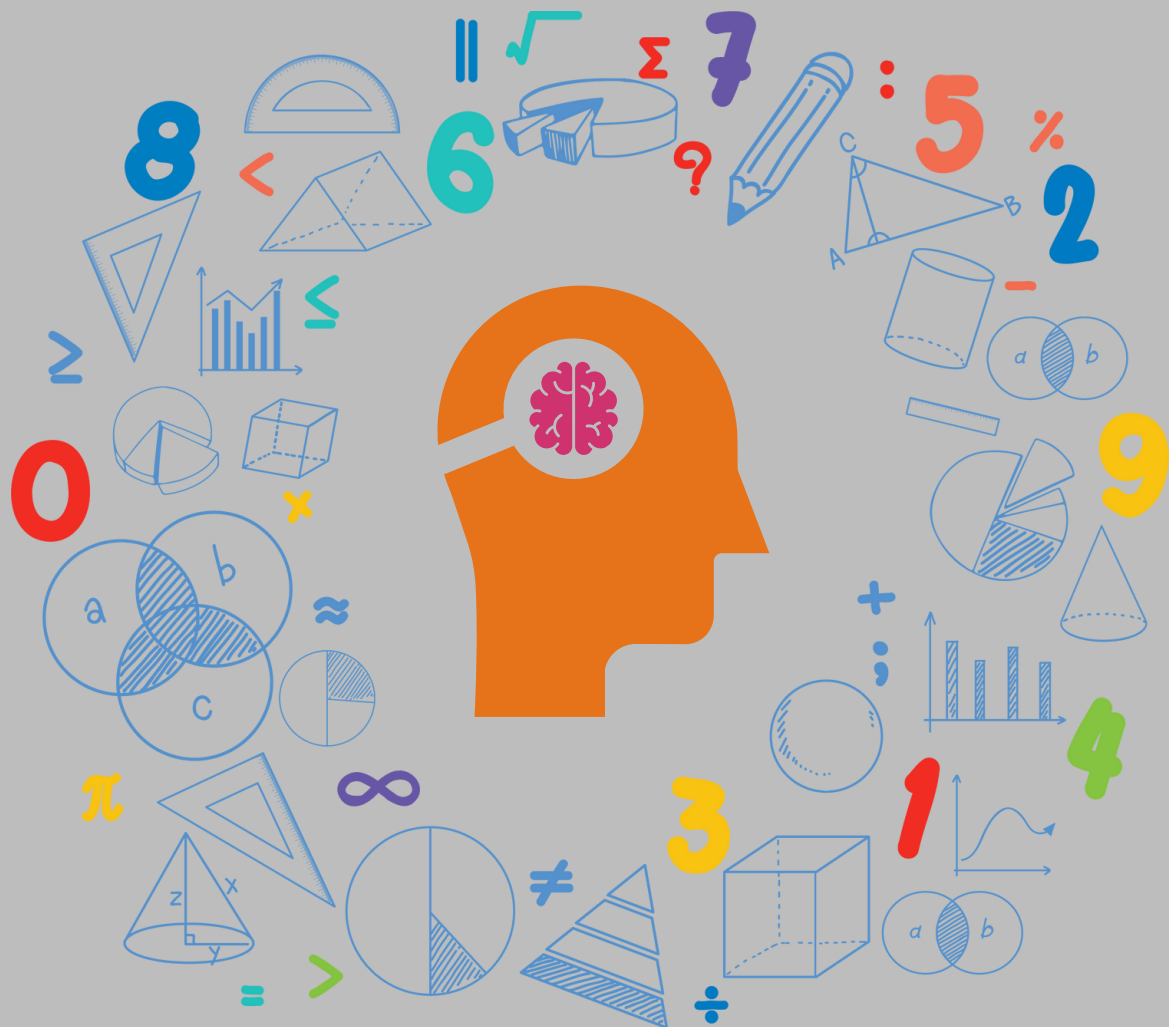# Quant Practice Questions

Practice Questions for IBPS Exams

In the following questions, two equations numbered I and II are given. Solve the two equations and choose the correct option.

Q1. I. $10x^2 -19x -15 = 0$
II. $y^2 -12y -189 = 0$
1. x < y
2. x > y
3 x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 5

Q2. I. $10x^2 -17x -20 = 0$
II. $y^2 +22y +40 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 2

Q3. I. $10x^2 -19x +7 = 0$
II. $y^2 -45y +506 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 1

Q4. I. $10x^2 -21x +8 = 0$
II. $y^2 -49 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 5

Q5. I. $12x^2 - 24x +12 = 0$
II. $y^2 +3y + 2 = 0$

1. if x < y
2. if x ≤ y
3. if x > y
4. if x ≥ y
5. if x = y or the Relationship between x and y cannot be establishe
Answer: 3

Q6. I. $10x^2 +27x +18 = 0$
II. $y^2 -16y +28 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 1

Q7. I. $10x^2 +57x +54 = 0$
II. $y^2 +13y -30 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 5

Q8. I. $10x^2 +49x +18 = 0$
II. $y^2 -25 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 5

Q9. I. $x^2 + 11x = 4x - 12$
II. $8y^2 + 16y = 8y + 16$
1. if x < y
2. if x ≤ y
3. if x > y
4. if x ≥ y
5. if x = y or Relationship between x and y cannot be established
Answer: 1

Q10. I. $10x^2 -49x +18 = 0$
II. $y^2 +17y +60 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 2

Q11. I. $10x^2 -9x +2 = 0$
II. $y^2 +46y +528 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 2

Q12. I. $15x^2 -13x +2 = 0$
II. $y^2 -28y +192 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 1

Q13. I. $10x^2 -7x -45 = 0$
II. $y^2 +4y -5 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 5

Q14. I. $15x^2 -13x +2 = 0$
II. $y^2 +16y +39 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 2

Q15. I. $15x^2 -17x -18 = 0$
II. $y^2 +14y -147 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 5

Q16. I. $x^2 + 24x +144=0$
II. $y^2 + 15y +56=0$
1. x > y
2. x ≥ y
3. x < y
4. x ≤ y
5. x = y or the relationship cannot be established
Answer: 3

Q17. I. $x^2 – 3x + 2 = 0$
II. $6y^2 + 19y = -14$
1. x > y
2. x ≥ y
3. x < y
4. x ≤ y
5. x = y or the relationship cannot be established.
Answer: 1

Q18. I. $x^2 - 10x + 16 = 0$
II. $y^2 - 11y + 30 = 0$
1. x > y
2. x ≥ y
3. x < y
4. x ≤ y
5. x = y or the relationship cannot be established
Answer: 5

Q19. I. $15x^2 -19x -10 = 0$
II. $y^2 -5y -204 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 5

Q20. I. $15x^2 - 22x + 8 = 0$
II. $y^2 - 18y + 45 = 0$
1. x < y
2. x > y
3. x ≤ y
4. x ≥ y
5. x = y or relationship cannot be established
Answer: 1

Ratio Proportion

Q21. Ratio of number of boys to girls in a class is 9: 5. Next year, number of boys will be
increased by 90 while the number of girls will be increased by 80% and the ratio of boys to
girls will be 6: 5, then what is the difference between number of boys and girls initially?
1. 200
2. 100
3. 150
4. 250
5. None of these
Answer: 1

Q22. Ratio of income of A to B is 5: 8 and ratio of their expenditure is 2: 3 respectively. If
savings of persons B is Rs.3000 more than that of A and out of his total income, B spends
75% of it, then what is the total savings of persons A and B together?
1. Rs.8000
2. Rs.6000
3. Rs.9000
4. Rs.12000
5. None of these
Answer: 3

Q23. Sides of a rectangle are in the ratio 3: 2 respectively and its area is 1/2 times more
than the area of a square whose perimeter is 60 cm. What is the longer side of the rectangle?
1. 22.5 cm
2. 19.5 cm
3. 25.5 cm
4. 28.5 cm
5. 16.5 cm

Answer: 1

Q24. A, B and C divide Rs 4200 among themselves in the ratio 7 : 8 : 6. If Rs 200 is added
to each of their shares, what is the new ratio in which they will receive the money?
1. 9 : 8 : 7
2. 8 : 9 : 7
3. 8 : 9 : 8
4. 9 : 10 : 8
5. 10 : 7 : 9
Answer: 2

Q25. The salaries A, B, C are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20%
are allowed respectively in their salaries, then what will be new ratio of their salaries?
1. 3 : 3 : 10
2. 10 : 11 : 20
3. 23 : 33 : 60
4. 21 : 10 : 13
5. Cannot be determined
Answer: 3

Q26. Rs 650 was divided among 3 children in the ratio 2 : 4 : 7. Had it been divided in the
ratio 1/2 : 1/4 : 1/7. Who would have gained the most and by how much?
1. C, Rs 246
2. C, Rs 264
3. B, Rs 18
4. A, Rs 264
5. B, 264
Answer: 4

Q27. The ratio of income of A and B is 2:3. The sum of their expenditure is Rs.8000 and the
amount of savings of A is equal to the amount of expenditure of B. What is their ratio of sum
of income to their sum of savings?
1. 5:3
2. 3:2
3. 4:3
4. 3:1
5. 3:5
Answer: 1

Q28. In a bag, there are coins of 25 p, 10 p and 5 p in the ratio of 1 : 2 : 3. If there is Rs.
30 in all, how many 5 p coins are there?

1. 50
2. 100
3. 150
4. 200
5. 250
Answer: 3

Q29. A sum of money is to be distributed among P, Q, R and S in the proportion 2:5:6:7, If R get Rs.500 more than S. What is P's share?
1. 500
2. 700
3. 1000
4. 1200
5. 1500
Answer: 3

Q30.A Zoo has 66 fishes, some white and rest orange. Which of the following could be the ratio of white to orange fishes in the zoo?
1. 1:7
2. 2:9
3. 3:7
4. 2:5
5. 5:3
Answer: 2

Q31. In a bag there are coins of 25p, 10p and 5p in the ratio 1:2:3.If there are Rs.45 in all then find how many 25p coins are there ?
1. 60
2. 65
3. 70
4. 75
5. 80
Answer: 4

Q32. A horse takes 8 steps for every 5 steps of a fox, but 6 steps of a fox are equal to the 3 steps of the horse. What is the ratio of the speed of horse to the fox?
1. 16:5
2. 20:19
3. 18:23
4. 17:21
5. 15:17
Answer: 2

Q33. Equal quantities of 3 mixtures of milk and water are mixed in the ratio 1:3, 2:3 and 3:4.The ratio of water and milk in the new mixture is
1. 45:76
2.121:230

3. 151:269
3. 123:154
4. 145:245
Answer: 3

Q34. When 7 is added to the numerator and denominator of the fraction, then the new ratio of numerator and denominator becomes 13:19, what is the original ratio?
1. 11:13
2. 7:9
3. 4:7
4. 10:9
5. Can't be determined
Answer: 5

Q35. A school has 4 sections of class 12, such that half the number of students of 1st section, 1/3rd of 2nd section, 1/4th of 3rd section and 1/5th of the 4th section are equal. If total number of students in class 12 is 420, find the number of students in sections 1st and 2nd.
1. 180
2. 150
3. 240
4. 200
5. 160
Answer: 2

Q36. The ratio of the incomes of A and B last year was 9 : 13. Ratio of their incomes of last year to
this year is 9 : 10 and 13 : 15 respectively. The sum of their present incomes is Rs 50,000. What is
the present income of B?
1. Rs 32,000
2. Rs 24,000
3. Rs 20,000
4. Rs 30,000
5. Rs.35,000
Answer: 4

Q37. Rs 5750 is divided among A, B, and C such that if their share be reduced by Rs 10, Rs 15 and
Rs 25 respectively, the reminder amounts with them shall be in the ratio 4 : 6 : 9. What was C's
share then?
1. Rs 2700
2. Rs 2725
3. Rs 2750

4. Rs 2625
5. Rs.2730
Answer: 2

Q37. The cost of a diamond varies as the square of its weight. A diamond weighing 20 decigrams
costs Rs. 4,800. Find the cost of a diamond of the same kind weighing 8 decigrams.
   1. Rs 762
   2. Rs 760
   3. Rs 764
   4. Rs 768
   5. Rs. 766
   Answer: 4

Q38.Two vessels contains equal quantity of solution contains milk and water in the ratio of 7:2
and 4:5 respectively. Now the solutions are mixed with each other then find the ratio of milk and
water in the final solution?
   1. 11:7
   2. 11:6
   3. 11:5
   4. 11:9
   5. 11:8
   Answer: 1

Q39.The sum of the squares between three numbers is 5000. The ratio between the first and the
second number is 3:4 and that of second and third number is 4:5. Find the difference between first
and the third number.
   1. 20
   2. 30
   3. 40
   4. 50
   5. 60
   Answer: 1

Q40.Seats for Mathematics, Science and arts in a school are in the ratio 5:7:8. There is a proposal to increase these seats by X%, Y% and Z% respectively. And the ratio of increased seats is 2:3:4,
which of the following is true?
   1. X = 50; Z = 40
   2. Y = 40; Z = 50
   3. X = 40; Z = 75
   4. X = 50; Z = 40

5. X = 40; Y = 50
Answer: 3

Time and Work

Q41. A cistern has 3pipes A, B & C. Pipes A & B can fill it in 3 hours and 4 hours respectively, while
pipe C can empty the completely filled cistern in 1 hour. if the pipes are opened in order at 3 pm,
4 pm and 5 pm respectively then at what time will the cistern be empty?
   1. 6:15 pm
   2. 7:12 pm
   3. 8:12 pm
   4. 8:35 pm
   5. none of these
   Answer: 2

Q42. There are 3 taps A, B, & C which can fill a tank in 12 hrs, 15 hrs, and 30 hrs respectively. If the
tap A is opened first, after one-hour tap B was opened and after 2 hours from the start of A, tap
C is also opened. Find the time in which the tank is full.
   1. 6(2/11) hours
   2. 6(3/11) hours
   3. 5(3/11) hours
   4. 5(2/11) hours
   5. None of these
   Answer: 1

Q43. Amar can do a work in 24 days, Bhushan is 20% more efficient than Amar, If Chetan can do
the work in 10 more days than Bhushan, find the number of days taken by Amar & Chetan together to complete the work.
   1. 20/3 days
   2. 44/3 days
   3. 40/3 days
   4. 6 days
   5. None of these
   Answer: 3

Q44. How many workers are required for completing the construction work in 10 days, given that:
I. 20% of the work can be completed by 8 workers in 8 days.

II. 20 workers can complete the work in 16 days.
III. One-eighth of the work can be completed by 8 workers in 5 days.
   1. I only
   2. II and III only
   3. III only
   4. I and III only
   5. Anyone of the three
   Answer: 5

Q45. A certain number of men complete a piece of work in 60 days. If there were 8 more men, the work could be finished in 10 days less. How many men were originally there?
   1. 30
   2. 50
   3. 60
   4. 80
   5. 40
   Answer: 5

Q46. John takes twice as much time as Jack to finish a job. Jack and Jim together take one-thirds of the time to finish the job than John takes working alone. Moreover, in order to finish the job, John takes three days more than that taken by three of them working together. In how many days will Jim finish the job working alone?
   1. 4
   2. 5
   3. 6
   4. 7
   5. 8
   Answer: 1

Q47. At their usual efficiency levels, A and B together finish a task in 12 days. If A had worked
half as efficiently as she usually does, and B had worked thrice as efficiently as he usually does,
the task would have been completed in 9 days. How many days would A take to finish the task if
she works alone at her usual efficiency?
   1. 24
   2. 18
   3. 12
   4. 36
   5. 32
   Answer: 2

Q48. A and B can together finish a work in 30 days. They worked together for 20 days and then B left. After another 20 days, A finished the remaining work. In how many days A alone can finish the job?
   1. 50 days
   2. 40 days
   3. 60 days
   4. 54 days
   5. 55 days
   Answer: 3

Q49. A and B can do a piece of work in 12 days, B and C in 8 days and C and A in 6 days. How long would B take to do the same work alone?
   1. 24 days
   2. 40 days
   3. 48 days
   4. 32 days
   5. 36 days
   Answer: 3

Q50. A, B and C can complete a work in 10, 12 and 15 days respectively. A left the work 5 days before the work was completed and B left 2 days after A had left. The number of days required to complete the whole work is?
   1. 4 1/3 days
   2. 7 1/3 days
   3. 6 days
   4. 7 days
   5. 8 days
   Answer: 4

Q51. A and B together can complete a work in 12 days. A alone can complete in 20 days. If B does the work only half a day daily, then in how many days A and B together will complete the work?
   1. 14 days
   2. 12 days
   3. 11 days
   4. 15 days
   5. 17 days
   Answer: 4

Q52. A can complete a piece of work in 18 days, B in 20 days and C in 30 days. B and C together start the work and are forced to leave after 2 days. The time taken by A alone to complete the remaining work is:
   1. 10 days
   2. 12 days

3. 15 days
4. 16 days
5. 17 days
Answer: 3

Q53. A, B and C can complete a work in 10, 12 and 15 days respectively. They started the work together. But A left the work before 5 days of its completion. B also left the work 2 days after A left. In how many days was the work completed?
  1. 3 days
  2. 4 days
  3. 5 days
  4. 7 days
  5. 6 days
  Answer: 4

Q54. The work done by a woman in 6 hours is equal to the work done by a man in 4 hours and by a boy in 12 hours. A task which normally takes 15 women working 6 hours a day 10
days to complete is given to 6 men and 9 boys working 4 hours a day. On which day will the
task be completed?
  1. 16th day
  2. 17th day
  3. 18th day
  4. 19th day
  5. 20th day
  Answer: 2

Q55. Working together, Arjun and Ramesh can complete a task in 15 days. Arjun, working
alone, can complete the task in 20 days, while Manoj can complete the same task by himself in 30 days. How many days will Manoj and Ramesh working together take to complete the
task?
  1. 15 days
  2. 20 days
  3. 24 days
  4. 26 days
  5. 25 days
  Answer: 2

Q56. A alone can complete a piece of work in 25 days and A is 40% less efficiency than B, then in how many days A and B together can complete 80% of the work?
  1. 7(1/3) days
  2. 9 days

3. 7 days
4. 7.5 days
5. 8 days
Answer: 4

Q57. A can complete a piece of work in 36 days. Efficiencies of B and C are 1.5 times and 2
times respectively the efficiency of A. Find the number of days taken by all of them to complete the work.
  1. 15 days
  2. 9 days
  3. 12 days
  4. 8 days
  5. None of these
  Answer: 4

Q58. A can complete a piece of work in 24 days and B can complete the work in 36 days. Efficiency of C is twice the efficiency of A and B together. Find the number of days in which C can complete the work alone.
  1. 4 1/5 days
  2. 7 1/5 days
  3. 5 1/5 days
  4. 6 1/5 days
  5. None of these
  Answer: 2

Q59. A and B together can complete a piece of work in 12 days, B and C together can complete a piece of work in 16 days, A and C together can complete a piece of work in 24 days. Find the number of days in which A, B and C together can complete the work.
  1. 31/5
  2. 32/3
  3. 32/5
  4. 31/3
  5. None of these
  Answer: 2

Q60. Ram and Laxman are assigned the task to build a wall. Ram can complete the task in 30 days, while laxman can complete the same task in 60 days. When they work together, their efficiency drops to 80%. How long will they take to complete the task working together?
  1. 15 days
  2. 20 days
  3. 30 days
  4. 25 days

5. 32 days
Answer: 4

Percentages

Q61. The population of of a town is 176000. If it increases at the rate of 5% per annum, what will be it's population 2 years hence?
   1. 194000
   2. 194040
   3. 190440
   4. 194104
   5. 194044
   Answer: 2

Q62. Sugar contain 5% water. What quantity of pure Sugar should be added to 10 litres of water to reduce this to 2%?
   1. 5 lit
   2. 6 lit
   3. 10 lit
   4. 15 lit
   5. 8 lit
   Answer: 4

Q63. 45% of ? = 25% of 355
   1. 195
   2. 176
   3. 127
   4. 197.22
   5. 196.95
   Answer: 4

Q64. Fresh fruits contains 70% of water and dry fruits contain 20% of water. How much dry fruit can be obtained from 100kg of fresh fruits?
   1. 35
   2. 37
   3. 37.5
   4. 40
   5. 38
   Answer: 3

Q65. The population of a city is increased 5% ,7% and 11% in the last three years. What will be the present population if the population of a town is 2,40,000 three years ago?
   1. 2,99,600
   2. 2,99,500
   3. 2,99,400
   4. 2,99,300
   5. 2,99,100

Answer: 4

Q66. One type of liquid contains 20% water and the second type of liquid contains 35% water. A
glass filled with 8 parts of the first liquid and 5 parts of the second liquid. The water percentage in
the new mixture is
   1. 25.75
   2. 25.76
   3. 25.67
   4. 25.56
   5. 25.21
   Answer: 2

Q67. If the radius of the circle is increased by 5% then the area is increased by
   1. 10.20
   2. 10.22
   3. 10.24
   4. 10.25
   5. 10.23
   Answer: 4

Q68. The passing marks in an examination is 40%. If Ashok gets 88 marks and is declared failed by
10 marks, then the maximum mark in the examination is
   1. 240
   2. 242
   3. 245
   4. 246
   5. 250
   Answer: 3

Q69. From the salary, Akhilesh spent 15% for house rent, 5% for children's education and 15% for
Entertainment. Now he left with Rs.13,000. His salary is
   1. 19,000
   2. 20,000
   3. 16.000
   4. 18,000
   5. 15,000
   Answer: 2

Q70. In an examination 30% of the students failed in Science, 45% of the students failed in Maths and 25% of the students failed in both subjects. Find the % of the students passed?
   1. 60%

2. 30%
3. 45%
4. 50%
5. 35%
Answer: 4

Q71. P's income is 20% more than Q's income. How much % Q's income less than P's income?
   1. 18.54%
   2. 16.67%
   3. 16.65%
   4. 17.76%
   5. 15.75%
Answer: 2

Q72. The value of commodity depreciated 20% annually. If the value of commodity 3yrs ago was Rs.10,500. Find it's present value?
   1. 3678
   2. 5700
   3. 4567
   4. 5376
   5. 5434
Answer: 4

Q73. In an alloy, there is 15% of brass, to get 90 kg of brass, how much alloy is needed?
   1. 400 kg
   2. 500 kg
   3. 600 kg
   4. 700 kg
   5. 800 kg
Answer: 3

Q74. In an election the votes between the winner and loser candidate are in the ratio 5:1. If total number of eligible voters are 1000, out of which 12% did not cast their vote and among the remaining vote 10% declared invalid. What is the number of votes the winner candidate get?
   1. 650
   2. 620
   3. 630
   4. 640
   5. 660
Answer: 5

Q75. If the price of wheat is reduced by 2%. How many kilograms of wheat a person can buy with the same money which was earlier sufficient to buy 49 kg of wheat?
   1. 58 kg

2. 60 kg
3. 52 kg
4. 50 kg
5. 55 kg
Answer: 4

Q76. 3 years ago the population of a town was 1,60,000. In the three respective years the population increased by 3%, 2.5% and 5% respectively. What is the population of town after 3 years?
   1. 1,77,366
   2. 1,66,733
   3. 1,76,736
   4. 1,80,766
   5. 1,77,300
Answer: 1

Q77. A bucket is filled with water such that the weight of bucket alone is 25% its weight when it is filled with water. Now some of the water is removed from the bucket and now the weight of bucket along with remaining water is 50% of the original total weight. What part of the water was removed from the bucket?
   1. 2/5
   2. 1/4
   3. 2/3
   4. 1/2
   5. 1/3
Answer: 3

Q78. A solution contains 10% of salt by weight. On evaporation 15 litre of water evaporates and now concentration of salt becomes 20 percent. Find the initial quantity of solution
   1. 20 ltr
   2. 30 ltr
   3. 40 ltr
   4. 50 ltr
   5. 60 ltr
Answer: 2

Q79. Rajeev buys good worth Rs. 6650. He gets a rebate of 6% on it. After getting the rebate, he pays sales tax @ 10%. Find the amount he will have to pay for the goods.
   1. Rs. 6876.10
   2. Rs. 6999.20
   3. Rs. 6654
   4. Rs. 7000
   5. Rs. 6850.50

Answer: 1

Q80. 40% of the women are above 30 years of age and 80 percent of the women are less than or equal to 50 years of age. 20 percent of all women play basketball. If 30 percent of the women above the age of 50 plays basketball, what percent of players are less than or equal to 50 years?
    1. 50%
    2. 60%
    3. 70%
    4. 40%
    5. 80%
Answer: 3

SI and CI

Q81. The Simple interest on a certain sum for 2 years at 10% per annum is Rs. 90. The corresponding compound interest is:
    1. 97
    2. 90
    3. 94.50
    4. 100
    5. 99
Answer: 3

Q82. A portion of $6600 is invested at a 5% annual return, while the remainder is invested at a 3% annual return. If the annual income from the portion earning a 5% return is twice that of the other portion, what is the total income from the two investments after one year?
    1. 200
    2. 270
    3. 250
    4. 280
    5. 260
Answer: 2

Q83. Dheeraj had ₹ 23,000. He invested some amount in scheme A at SI at 20% and the remaining amount in scheme B at CI at 10%. If Sanjay got the same amount from both of them at the end of one year, how much (in ₹) did he invest in scheme B?
    1. 15000
    2. 12000
    3. 11500
    4. 13000
    5. 16000

Answer: 2

Q84. Ramesh invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be Rs. 3508, what was the amount invested in Scheme B?
    1. 6400
    2. 6500
    3. 7200
    4. 7500
    5. 7400
Answer: 1

Q85. Divide Rs. 3903 between A and B, so that A's Share at the end of 7 years may equal to B's share at the end of 9 years, compound interest being at 4 percent.
    1. 2018 and 1885
    2. 2028 and 1875
    3. 2008 and 1895
    4. 2038 and 1865
    5. 2030 and 1860
Answer: 2

Q86. If simple interest on a certain sum of money for 4 years at 5% per annum is same as the simple interest on Rs. 560 for 10 years at the rate of 4% per annum then the sum of money is:
    1. 1180
    2. 1120
    3. 1200
    4. 1250
    5. 1260
Answer: 2

Q87. Rahul invested certain amount in three different schemes A, B and C with the rate of interest 10% p.a., 12% p.a. and 15% p.a. respectively. If the total interest accrued in one year was Rs. 3200 and the amount invested in Scheme C was 150% of the amount invested in Scheme A and 240% of the amount invested in Scheme B, what was the amount invested in Scheme B?
    1. Rs 5000
    2. Rs 6500
    3. Rs 8000
    4. Rs 10000
    5. Rs. 9000
Answer: 1

Q88. ₹ 6100 was partly invested in Scheme A at 10% pa compound interest (compounded annually) for 2 years and partly in Scheme B at 10% pa simple interest for 4 years. Both the schemes earn equal interests. How much was invested in Scheme A?
1. Rs 4000
2. Rs 4500
3. Rs 5000
4. Rs 3250
5. Rs 3500
Answer: 1

Q89. Shivam has some amount of money and he invested the money in two schemes A and B in the ratio of 2 : 5 for 2 years, scheme A offers 30% pa compound interest and scheme B offers 15% pa Simple interest. Difference between the interest earned from both the schemes is Rs.1080. How much was invested in scheme B?
1. Rs 45000
2. Rs 46000
3. Rs 40000
4. Rs 47000
5. Rs 42000
Answer: 1

Q90. A sum of money amounts to Rs. 8400 after 3 years and Rs. 12000 after 6 years at the same rate of simple interest. The rate of interest per annum is
1. 25%
2. 20%
3. 52%
4. 15%
5. 40%
Answer: 1

Q91. The compound interest on Rs 7500 in 2 years when the successive rate of interest on successive years is 8% and 10% respectively:
1. Rs 1410
2. Rs 7510
3. Rs 1497
4. Rs 4013
4. None of these
Answer: 1

Q92. Yuvraj invested 1/2 of his capital at 4% and the remainder at10%. If his annual income is Rs.600,Find the capital
1. 8517
2. 8175

3. 8751
4. 8571
5. 8570
Answer: 4

Q93. The difference between the total simple interest and the total compound interest compounded annually at the same rate of interest on a sum of money at the end of two years is Rs. 350. What is definitely the rate of interest per cent per annum?
1. 9,300
2. 7600
3. 12000
4. 10000
5. Data inadequate
Answer: 5

Q94. The difference between CI and SI on the same sum for 2 yrs at the rate of 25% pa is Rs.1500. What is the principal lent out in each case?
1. Rs.18000
2. Rs.21000
3. Rs.23000
4. Rs.24000
5. Rs.25000
Answer: 4

Q95. A lent an amount of Rs. 1100 to B. This is to be paid back to A in two instalments. If the rate of interest, which A charges to B, be 20% compounded annually, then what is the value of each installment?
1. Rs 730
2. Rs 720
3. Rs 710
4. Rs 780
5. Rs 750
Answer: 2

Q96. At what percent per annum will be SI on sum of money is equal to 3/5 of the amount in 5 years.
1. 10%
2. 20%
3. 30%
4. 40%
5. 50%
Answer: 3

Q97. The difference between compound interest earned after 3 years at 5% p.a. and simple interest earned after 4 years at 4% p.a.

is Rs 76. Find the principal amount.
1. Rs 32,000
2. Rs 28,000
3. Rs 31,500
4. Rs 32,500
5. Rs 32, 100
Answer: 1

Q97. A statue is priced at 15000 rupees. But a person wants instalment on the statue.
So, he gave 10000 rupee cash and make an instalment of rupees 650 for 8 months.
Find the rate of interest charged by the shopkeeper.
1. 4%
2. 6%
3. 8%
4. 10%
5. 9%
Answer: 2

Q98. A sum of rupees 4420 is to be divided between Rakesh and Prakash in such a way that after 5 years and 7 years Respectively the amount they get is equal. The rate of interest is 10 percent. Find the share of Rakesh and Prakash
1. 2000, 2420
2. 2420, 2000
3. 2480, 2420
4. 2210, 2210
5. 2250, 2000
Answer: 2

Q99. Rs 15,000 is to be invested in 2 schemes, one part is invested in scheme A which offers 9.5% rate of interest and remaining part is invested in scheme B which offers 5% rate on interest. After 3 years, a total of Rs 3600 is received as simple interest. What is the part invested in scheme A?
1. Rs 10,000
2. Rs 9,000
3. Rs 11,500
4. Rs 10,500
5. Rs 10,100
Answer: 1

Q100. Akhil invests Rs. x in insurance which gives her returns at 21% annually and Rs. y in mutual funds which gives her returns of 10% compounded half yearly. If Akhil gets the same returns from both the investments after 1 year, then what is the square root of the ratio of x to y?
1. 1:2
2. 11:21
3. 21:22
4. 21:25
5. 25:21
Answer: 3

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