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IMPORTANT NEW PATTERN CASELET QUESTIONS

CASELET DI Practice Questions

(Questions 1 -5) In an Island called Arson, only two tribes linyak and Sorlia lives. The population of linyak is 50% more than that of Sorlia. In the island, the ratio of males to females is 11 : 9 and in sorlia tribe the number of females is 40% less than that of male population and in linyak tribe, the male populations are equal to that of female populations. The total number of female populations in Sorlia tribe is 1200.

1. What is the ratio of the total population of the island to the total male populations of the linyak tribe?

a) 5:2
b) 15:7
c) 12:5
d) 10:3

Ans: option d

2. What is the total number of male populations in the island?

a) 4200
b) 4400
c) 4600
d) 4500

Ans: option b

3. In the island, the total number male populations are how much more than that of female population?

a) 600
b) 1000
c) 1200
d) 800

Ans: option d

4. 20% of the total population of the island are below eighteen then total how many of people are above eighteen?

a) 8000
b) 6400
c) 5600
d) 7200

Ans: option b

5. The total number of female populations in linyak tribe is how much percentage more than that of Sorliya tribe?

a) 200%
b) 250%
c) 150%
d) None of these

Answer: option d

(Questions 6 – 10) A father divided his property between two sons A and B and one daughter C. The person has Rs. 80000 in cash, Rs. 5 lakhs as land and Rs. 6 lakhs as gold. He gave half of the gold to his daughter and remaining gold divided between sons in equal proportion. He gave only 20% of total land to his daughter and divided the remaining land between sons A and B in the ratio of 3 : 1 respectively on the condition that the child who received highest share of land will give Rs. 2500 per month to his father. He gave 75% of the total cash amount to his daughter and remaining cash amount was divided between sons in equal proportion.

6. How much total property (in cash, land and Gold together) did C get?

a) Rs. 4.9 lakhs
b) Rs. 4.6 lakhs
c) Rs. 4.7 lakhs
d) Rs. 4.8 lakhs

Ans: option b

7. The share of son A in total property was how much more than that of son B in total property?

a) Rs. 2 lakhs
b) Rs. 2.1 lakhs
c) Rs. 1.9 lakhs
d) Rs. 2.2 lakhs

Ans: option a

8. After dividing the property, the father had lived for another 10 years, then the son who had received the highest share of land was left with how much total property after 10years ?

a) Rs. 2.6 lakhs
b) Rs. 1.4 lakhs
c) Rs. 1.65 lakhs
d) Rs. 1.6 lakhs

Ans: option d

9. The share of land received by Son A was how much percentage more than that by daughter C?

a) 300%
b) 200%
c) 150%
d) 100%

Ans: option b

10. What was the respective ratio of the total property received by son A and that by son B?

a) 21:11
b) 2:1
c) 25:13
d) 23:13

Ans: option d

(Questions 11 – 15) Chaman and Baman together bought 4 acres of agriculture land in the ratio of 5: 3 in the year 2015 and started cultivating wheat in the year 2016. In that year, Chaman being an elder brother gave 50 tons of wheat which was 8% of his total production of that year to Baman, now Baman's total wheat quantity was increased by 25%. In the year 2017, Baman's total wheat production was doubled over the previous year, so he returned 10% of his total wheat produced quantity to Chaman now, after receiving from Baman, Chaman's total wheat quantity was increased by 200/3 %. In the year 2018, both had produced an equal quantity of wheat and Chaman's production of wheat was increased by 25% over the total quantity of wheat he had produced in the previous year.

11. What is the total quantity (in ton) of wheat produced by Chaman in the year 2018?

a) 100
b) 120
c) 80
d) 75

Ans: option d

12. What was the percentage decrease in Baman's production of wheat in the year 2018 over the previous year?

a) 87.5%
b) 42.5%
c) 56.5%
d) None of these

Answer: option d

13. What quantity of total wheat did Baman produce in the year 2017 and 2018 together?

a) 525 tons
b) 475 tons
c) 550 tons
d) 575 tons

Ans: option b

14. What is the difference between the total quantity of wheat produced by Chaman in the given three periods to that by Baman in the given three periods?

a) 95 tons
b) 125 tons
c) 85 tons
d) 75 tons

Ans: option c

15. In the year 2016, what was the ratio of average production of wheat per acre for Chaman to the average production of wheat per acre for Baman?

A) 25:8
b) 5:2
c) 15:8
d) 3:2

Ans: option c

(Questions 16-20) A person went to market with Rs. 750. He purchased x kg apples, 4 kg bananas and 6 kg mangoes. After purchasing, he was left with Rs. 50 in his pocket. When he calculated, he found that the amount spent to purchase apples was equal to the amount spent to purchase mangoes, the amount spent to purchase bananas was one third of the amount spent to purchase apples and the total quantity of apples purchased by him was half of the total quantity of bananas and mangoes together purchased by him.

16. What is the ratio of price per kg of apples to price per kg of banana?

a) 4 : 1
b) 5 : 3
c) 12 : 5
d) 24 : 13

Ans: option c

17. How much money did he spend to purchase mangoes?

a) Rs. 240
b) Rs. 300
c) Rs. 324
d) Rs. 306

Ans: option b

18. If he purchases two kg mangoes, 1 kg apples, and 2 kg banana then how much money will he left with in his pocket?

a) Rs. 210
b) Rs. 580
c) Rs. 540
d) Rs. 520

Ans: option c

19. How many kg of apples did he purchase?

a) 5
b) 4
c) 6
d) 3

Ans: option a

20. If he purchases less quantity (in kg) of mangoes and the quantity of apples and bananas purchased remains same then he was left with 33.33% of the total amount. How many kg of total fruits did he purchase?

a) 10 Kg
b) 11 Kg
c) 9 Kg
d) 12 Kg

Ans: option b

(Questions 21-25) In an examination, six subjects - A, B, C, D, E, and F have equal maximum marks. The number of marks scored by one particular candidate in subject A is 20% less than his marks in subject F. The ratio of marks scored by the same candidate in subject B to that in C is 4 : 5 and that in D to E is 3 : 4. The number of marks scored by this candidate in subject E is 25% more than that of F. He scored 65 marks in the subject C. He scored 436/9 % in the examination and the average of marks scored by him in all the subjects is 218/3.

21. What was the total marks in the examination?

a) 600
b) 1200
c) 750
d) 900

Ans: option d

22. What percentage of marks the candidate had scored in the subject E over the maximum marks of that subject?

a) 33.33%
b) 32%
c) 100%
d) 66.66%

Answer: option d

23. The number of marks obtained by the candidate in the subject B was how much less than in the subject D?

a) 29
b) 23
c) 19
d) 27

Ans: option b

24. What was the average of marks obtained by the candidate in the subject E and F together?

a) 90
b) 80
c) 85
d) 100

Ans: option a

25. The number of marks obtained by the candidate in the subject C was how much percentage less than that of subject E?

a) 45%
b) 40%
c) 65%
d) 35%

Ans: option d

(Questions 26-30) Three friends S, R and G spends 12%, 14% and 16% of their monthly salary on travelling in the given order and each of them save half of the remaining amount. The monthly salary of S and G is same and the monthly saving of S is Rs. 360 more than that of G. The total expenditures of S and R together on travelling is Rs. 1240 more than that of G.

26. What is the monthly expenditure of S and R together on travelling?

a) Rs. 4240
b) Rs. 4120
c) Rs. 3890
d) Rs. 4480

Ans: option b

27. The monthly salary of R is how much more than/less than that of S?

a) Rs. 0
b) Rs. 3000 more
c) Rs. 4000 more
d) Rs. 4000 less

Ans: option d

28. What is the sum of the saving of all the three friends together?

a) Rs. 21500
b) Rs. 22480
c) Rs. 24000
d) Rs. 20800

Ans: option a

29. The total monthly saving of three friends together is what percentage of their total monthly salary?

a) 42%
b) 44%
c) 41%
d) 43%

Ans: option d

30. By how much should Seeta's monthly salary be increased so the monthly expenditures of Seeta on travelling will become equal to that of Geeta?

a) Rs. 4000
b) Rs. 6000
c) Rs. 8000
d) Rs. 3600

Ans: option b

(Question 31 – 35) CTA Motors (A Car manufacturing company) manufactured only two brands of cars A and B in the year 2016. In the year 2017, it introduced a new brand of car C. The number of cars of brands A and that of brand B manufactured in the year 2016 was in the ratio of 4: 5 respectively. The number of cars of brand A manufactured in the year 2016 to that in the year 2017 was in the ratio of 3: 2 and the number of cars of brand B manufactured in the year 2016 to that in the year 2017 was in the ratio of 3: 4. Further, the total number of cars manufactured in the year 2017 of brand C forms 30% of the total number of cars manufactured in the year 2017.

31. In the year 2016, total 1800 cars of brand A was manufactured then find the total number of cars of brand C manufactured in the year 2017?

a) 2100
b) 1800
c) 2700
d) 2400

Ans: option b

32. What is the percentage increase in the total number of cars of all the brands manufactured in the year 2017 when compared to the total number of cars of both the brands manufactured in the year 2016? (approximately)

a) 45%
b) 52%
c) 48%
d) 56%

Ans: option c

33. In the next year i.e. in the year 2018, CTA Motors wants to increase its car manufacturing capacity by 25% compared to the previous year but it doesn't want to make any changes in the number of cars manufactured in the previous year of any brands therefore it introduced a new brand D. Suppose CTA Motors had manufactured total number of 900 cars of brand C in the year 2017 , then in the year 2018 how many cars of brand D should it manufacture?

A) 825

b) 775

c) 725

d) None of these

Ans: option d

34. If in the year 2017, total 7000 cars were manufactured but the total number of cars manufactured in the year 2017 of brand C forms only 4% instead of 30% then find total how many cars of brand A were manufactured in the years 2016 and 2017 together?

a) 5200

b) 4200

c) 4650

d) 4800

Ans: option d

35. If in the year 2017, 900 cars of brand B was manufactured then find the sum of the total number of cars of all the brands manufactured in the year 2016 and 2017 together?

a) 2995

b) 3015

c) 3250

d) 277

Ans: option b

(Questions 36 – 40) In an annual examination of 12th board consisting only three subjects, Physics, Chemistry and Mathematics 400 students appeared from a college.

400 students had passed in chemistry, 360 students had passed in physics, and 375 students had passed in mathematics. 80% of the total number of students had passed in all the three subjects. All those except 40 students, who had passed in mathematics also passed in physics and all those except 30 students, who had passed in physics also passed in chemistry. 85% of the

total number of students who had passed in chemistry also passed in mathematics.

36. How many of students had passed only in chemistry?

a) 20
b) 50
c) 60
d) 100

Ans: option b

37. Find the sum of all the students who had passed in only two subjects?

a) 55
b) 50
c) 45
d) 60

Ans: option c

38. The number of students who had passed only in Mathematics is what percent of the number of students who had passed only in Physics and Chemistry?

a) 200%
b) 50%
c) 150%
d) 250

Ans: option a

39. Find the ratio of the number of students who had passed in chemistry to the number of students who had passed in physics and mathematics both?

a) 5:4.4
b) 80:67
c) 100:97
d) 5:4

Ans: option b

40. The number of students who had passed in all the three subjects is how many times of the sum of all the students who had passed in exactly two subjects?

a) 7(1/9) times
b) 8(2/9) times
c) 7(2/9) times
d) 4(2?3) times

Ans: option a

(Questions 41 – 45) Out of 200 people who attended a birthday party 100 had Ice-cream, 120 had cold drink, 80 had cake and 10 had none of these three. 100 people had exactly one of three items.

41. How many people had exactly two of the three items?

a) 70
b) 85
c) 110
d) 80

Ans: option a

42. If 20 people had only cold drink and ice-cream, then how many people had only cake?

a) 25
b) 10
c) 20
d) 18

Ans: option b

43. If 15 people who had only cold drink, had cake also and 5 people who had only ice-cream and cake had cold drink also, then how many people had at least two of the three items?

a) 98
b) 119
c) 78
d) 105

Ans: option d

44. If 30 people had only ice-cream, then how many people had at least one of cake or cold drink but not ice-cream?

a) 90
b) 108
c) 87
d) 98

Ans: option a

45. What is the maximum possible number of people who had only cold drink?

a) 118
b) 87
c) 90
d) 120

Ans: option c

(Questions 46 – 50) Tushar invested some money under 20% per annum simple interest in Axis bank. At the end of one – year, he withdrew all amount from the Axis bank and invested in Bandhan bank at the rate of R % per annum under compound interest compounded annually for two years and received Rs. 57600 as total interest from the Bandhan bank. The first year's interest at Bandhan bank was Rs. 24000.

46. In starting, how much money had Tushar invested in Axis bank?

a) Rs. 60000
b) Rs. 75000
c) Rs. 10000

d) Rs. 50000

Ans: option d

47. Total how much interest did Tushar get from the Axis bank and the Bandhan bank together?

a) Rs. 68600
b) Rs. 67600
c) Rs. 64600
d) Rs. 71200

Ans: option b

48. If the rate of interest was interchanged i.e. Axis bank had offered R% per annum simple interest and Bandhan bank had offered 20% per annum compound interest then how much less money Tushar would have received at the end of 3 years?

a) Rs. 16800
b) Rs. 15800
c) Rs. 14800
d) Rs. 16400

Ans: option a

49. If Krishan had invested the sum of money only in Axis bank for 3 years under 20% per annum simple interest then at the end of 3 years, total how much simple interest he would have received from the Axis bank?

a) Rs. 25000
b) Rs. 30000
c) Rs. 40000
d) Rs. 2000

Ans: option b

50. If the first year's interest at Bandhan bank was same as the simple interest received from the Axis bank at the end of 1 year and the rate of interest for the Bandhan bank remained constant then what should be the rate of interest for Axis bank?

a) 40%
b) 50%
c) 66(2/3) %
d) 32%

Ans: option c

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