1. A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is:

A. Rs. 1425 B. Rs. 1500

C. Rs. 1537.50 D. Rs. 1576

2. A, B and C jointly thought of engaging themselves in a business venture. It was agreed that A would invest Rs. 6500 for 6 months, B, Rs. 8400 for 5 months and C, Rs. 10,000 for 3 months. A wants to be the working member for which, he was to receive 5% of the profits. The profit earned was Rs. 7400. Calculate the share of B in the profit.

A. Rs. 1900 B. Rs. 2660

C. Rs. 2800 D. Rs. 2840

3. A, B and C enter into a partnership in the ratio : : After 4 months, A increases his share 50%. If the total profit at the end of one year be Rs. 21,600, then B's share in the profit is:

A. Rs. 2100 B. Rs. 2400

C. Rs. 3600 D. Rs. 4000

4. A, B, C subscribe Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 35,000, A receives:

A. Rs. 8400 B. Rs. 11,900

C. Rs. 13,600 D. Rs. 14,700

5. Three partners shared the profit in a business in the ratio 5 : 7 : 8. They had partnered for 14 months, 8 months and 7 months respectively. What was the ratio of their investments?

A. 5 : 7 : 8 B. 20 : 49 : 64

C. 38 : 28 : 21 D. None of these

6. A starts business with Rs. 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the capital?

A. Rs. 7500 B. Rs. 8000

C. Rs. 8500 D. Rs. 9000

7. A and B entered into partnership with capitals in the ratio 4 : 5. After 3 months, A withdrew of his capital and B withdrew of his capital. The gain at the end of 10 months was Rs. 760. A's share in this profit is:

A. Rs. 330 B. Rs. 360

C. Rs. 380 D. Rs. 430

8. A and B started a partnership business investing some amount in the ratio of 3 : 5. C joined then after six months with an amount equal to that of B. In what proportion should the profit at the end of one year be distributed among A, B and C?

A. 3 : 5 : 2 B. 3 : 5 : 5

C. 6 : 10 : 5 D. Data inadequate

9. A, B, C rent a pasture. A puts 10 oxen for 7 months, B puts 12 oxen for 5 months and C puts 15 oxen for 3 months for grazing. If the rent of the pasture is Rs. 175, how much must C pay as his share of rent?

A. Rs. 45 B. Rs. 50

C. Rs. 55 D. Rs. 60

10. A and B started a business in partnership investing Rs. 20,000 and Rs. 15,000 respectively. After six months, C joined them with Rs. 20,000. What will be B's share in total profit of Rs. 25,000 earned at the end of 2 years from the starting of the business?

A. Rs. 7500 B. Rs. 9000

C. Rs. 9500 D. Rs. 10,000

11. A began a business with Rs. 85,000. He was joined afterwards by B with Rs. 42,500. For how much period does B join, if the profits at the end of the year are divided in the ratio of 3 : 1?

A. 4 months B. 5 months

C. 6 months D. 8 months

12. Aman started a business investing Rs. 70,000. Rakhi joined him after six months with an amount of Rs.. 1,05,000 and Sagar joined them with Rs. 1.4 lakhs after another six months. The amount of profit earned should be distributed in what ratio among Aman, Rakhi and Sagar respectively, 3 years after Aman started the business?

A. 7 : 6 : 10 B. 12 : 15 : 16

C. 42 : 45 : 56 D. Cannot be determined

13. Arun, Kamal and Vinay invested Rs. 8000, Rs. 4000 and Rs. 8000 respectively in a business. Arun left after six months. If after eight months, there was a gain of Rs. 4005, then what will be the share of Kamal?

A. Rs. 890 B. Rs. 1335

C. Rs. 1602 D. Rs. 1780

14. Simran started a software business by investing Rs. 50,000. After six months, Nanda joined her with a capital of Rs. 80,000. After 3 years, they earned a profit of Rs. 24,500. What was Simran's share in the profit?

A. Rs. 9,423 B. Rs. 10,250

C. Rs. 12,500 D. Rs. 10,500

**Directions to Solve (Q15 - Q16)**

Each of the questions given below consists of a statement and / or a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement(s) is / are sufficient to answer the given question. Read the both statements and

Give answer (A) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer (B) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer (C) if the data either in Statement I or in Statement II alone are sufficient to answer the question.

Give answer (D) if the data even in both Statements I and II together are not sufficient to answer the question.

Give answer (E) if the data in both Statements I and II together are necessary to answer the question.

15. Ravi, Gagan and Nitin are running a business firm in partnership. What is Gagan's share in the profit earned by them?

1. Ravi, Gagan and Nitin invested the amounts in the ratio of 2 : 4 : 7.
2. Nitin's share in the profit is Rs. 8750.

A. I alone sufficient while II alone not sufficient to answer

B. II alone sufficient while I alone not sufficient to answer

C. Either I or II alone sufficient to answer

D. Both I and II are not sufficient to answer

E. Both I and II are necessary to answer

16. Rahul, Anurag and Vivek started a business together. In what proportion would the annual profit be distributed among them?

1. Rahul got one-fourth of the profit.
2. Rahul and Vivek contributed 75% of the total investment.

A. I alone sufficient while II alone not sufficient to answer

B. II alone sufficient while I alone not sufficient to answer

C. Either I or II alone sufficient to answer

D. Both I and II are not sufficient to answer

E. Both I and II are necessary to answer

**Directions to Solve (Q 17- Q18)**

Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.

17. How much did Rohit get as profit at the year-end in the business done by Nitin, Rohit and Kunal?

1. Kunal invested Rs. 8000 for nine months, his profit was times that of Rohit's and his investment was four times that of Nitin.
2. Nitin and Rohit invested for one year in the proportion 1 : 2 respectively.
3. The three together got Rs. 1000 as profit at the year end.

A. Only I and II

B. Only I and III

C. Question cannot be answered even with the information in all the three statements.

D. All I, II and III

E. None of these

18. What is R's share of profit in a joit venture?

1. Q started business investing Rs. 80,000.
2. R joined him after 3 months.
3. P joined after 4 months with a capital of Rs. 1,20,000 and got Rs. 6000 as his share profit.

A. All I, II and III

B. I and III only

C. II and III only

D. Even with all I, II and III, the answer cannot be arrived at

E. None of these

**Directions to Solve for Question 19**

Each of these questions is followed by three statements. You have to study the question and all the three statements given to decide whether any information provided in the statement(s) is redundant and can be dispensed with while answering the given question.

19. Three friends, P, Q and R started a partnership business investing money in the ratio of 5 : 4 : 2 respectively for a period of 3 years. What is the amount received by P as his share profit?

1. Total amount invested in the business in Rs. 22,000.
2. Profit earned at the end of 3 years is of the total investment.
3. The average amount of profit earned per year is Rs. 2750.

A. I or II or III

B. Either III only, or I and II together

C. Any two of the three

D. All I, II and III are required.

E. None of these

Q20. A began a business with Rs. 4500. Later, B joined A with Rs. 5400. When did B join if the profits at the end of the year were divided in the ratio of 2 : 1?

(a) 4 months

(b) 5 months

(c) 6 months

(d) 7 months

(e) None of these

Q21.  X, Y, Z enters into a partnership investing Rs. 2500, Rs. 3500 and Rs. 4500. The respective shares of X, Y, Z in an annual profit of Rs. 14700 are:

(a) Rs. 3500, Rs. 6500, Rs. 1500

(b) Rs. 3500, Rs. 4900, Rs. 6300

(c) Rs. 1500, Rs. 1000, Rs. 6600

(d) Rs. 3500, Rs. 6300, Rs. 4900

(e) None of these

Q22. A began a business with Rs. 45000. Later, B joined him with Rs. 30000. At the end of the year, the profit was divided in the ratio of 2 : 1. When did B join?

(a) 3 months after

(b) 6 months after

(c) 8 months after

(d) 9 months after

(e) None of these

Q23. Average score of Rahul, Manish and Suresh is 63. Rahul’s score is 15 less than Ajay and 10 more than Manish. If Ajay scored 30 marks more than the average scores of Rahul, Manish and Suresh, what is the sum of Manish’s and Suresh’s scores?

(a) 120

(b) 111

(c) 117

(d) Cannot be determined

(e) None of these

Q24. A, B and C started a business investing Rs. 42000, Rs. 30000 and Rs. 28000, respectively. After 4 months, A withdrew Rs. 12000, B withdrew Rs. 6000 and C withdrew Rs. 8000. If after, 10 months, a total profit of Rs. 46420 is earned, what is the share of C?

(a) Rs. 12580

(b) Rs. 13160

(c) Rs. 13020

(d) Rs. 12760

(e) None of these

Q25. An amount of money is to be divided among P, T and R in the ratio 3 : 5 : 7, respectively. If the amount received by R is Rs. 4,000 more than the amount received by T, what will be the total amount received by P and T together?

(a) Rs. 8,000

(b) Rs. 12,000

(c) Rs. 16,000

(d) Cannot be determine

(e) None of these

**Answer Key**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Question** | **Answer** | **Question** | **Answer** | **Question** | **Answer** | **Question** | **Answer** | **Question** | **Answer** |
| 1 | B | 6 | D | 11 | D | 16 | E | 21 | B |
| 2 | B | 7 | A | 12 | B | 17 | D | 22 | D |
| 3 | D | 8 | C | 13 | A | 18 | D | 23 | B |
| 4 | D | 9 | A | 14 | D | 19 | B | 24 | D |
| 5 | B | 10 | A | 15 | E | 20 | D | 25 | C |