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## Partnership Questions for CLAT, CDS, Bank Clerk Pre, SSC and Railways Exams.

### Partnership Quiz 2

Directions: Kindly study the following Questions carefully and choose the right answer:

1. A and B entered into a partnership investing Rs. 16,000 and Rs. 12,000 respectively. After 3 months, A withdrew Rs. 5000 while B invested Rs. 5000 more. After 3 more months, C joins the business with a capital of Rs. 21,000. The share of B exceeds that of C, out of a total profit Rs. 26,400 after one year by :

- A. Rs. 24000      B. Rs. 30000      C. Rs. 36000      D. Rs. 48000      E. None of these

2. At the beginning of a partnership business, the capital of B was  $\frac{3}{2}$  times that of A. after 8 months B withdrew  $\frac{1}{2}$  of his capital and after 10 months A withdrew  $\frac{1}{4}$ th of his capital. At the end of the year. if the profit incurred is Rs. 53,000. Find the amount received by A.

- A. Rs. 30,800      B. Rs. 32,000      C. Rs. 30,000      D. Rs. 23,000      E. None of these

3. In a business A and C invested amounts in the ratio 2 : 1 whereas A and B invested amounts in the ratio 3 : 2. If their annual profit be Rs. 157300, then B's share in the profit is

- A. Rs. 24200      B. Rs. 24200      C. Rs. 48000      D. Rs. 48400      E. None of these

4. P, Q and R invested Rs. 45k, Rs. 70k and 90k respectively to start a business. At the end of two years, they earned a profit of Rs. 164k. What will be the Q's share in the profit?

- A. Rs. 56k      B. Rs. 35k      C. Rs. 72k      D. Rs. 72k      E. None of these

5. A, B and C are partners of a company. During a particular year A received one-third of the profit, B received one-fourth of the profit and C received the remaining Rs. 5,000. How much did A receive ?

- A. Rs. 5,000      B. Rs. 4,000      C. Rs. 3,000      D. Rs. 1,000      E. None of these

6. If a sum of money is to be divided among A, B, C such that A's share is equal to twice B's share and B's share is 4 times C's share then their shares are in the ratio

- A. 1 : 2 : 4      B. 1 : 4 : 1      C. 8 : 4 : 1      D. 2 : 4 : 1      E. None of these

7. Abhishek started a business investing Rs. 50,000. After one year he invested another Rs. 30,000 and Sudin also joined him with a capital of Rs. 70,000. If the profit earned in three years from the starting of business was Rs. 87,500, then find the share of Sudin in the profit.

- A. Rs. 37,500      B. Rs. 32,500      C. Rs. 38,281      D. Rs. 52,500      E. None of these

8. A and B are partners in a business. They invest in the ratio of 5 : 6; at the end of 8 months A withdraws. If they receive profits in the ratio of 5 : 9, then find how long B's investment was used.

- A. 12 months      B. 10 months      C. 15 months      D. 14 months      E. 18 months

9. Murli and Manohar start a business together investing Rs. 40000 and Rs. 50000 respectively. Joshi joins them after a certain number of months investing Rs. 60000 in the venture. Everything goes well till Manohar decides to quit before the exactly same number of months as Joshi'd joined the business after. If at the end of the year, they share their profits in the ratio of 16 : 15 : 18, find the number of months given in the reference.

- A. 8      B. 4      C. 3      D. 2      E. None of these

10. Ayush and Anshu decided to start a business and they invested Rs. 5500 and 6250 respectively. After 10 months the difference between their profits is Rs 540. Find the total profit.

- A. Rs. 8500      B. Rs. 8450      C. Rs. 8960      D. Rs. 8740      E. None of these

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
C	D	D	A	B	C	E	A	C	E

**Explanations:****1.**

A	B	C	{k = thousands}
$16k \times 3$	$12k \times 3$	$21k \times 6$	
+	+	:	
$11k \times 9$	$17k \times 9$	$126k$	
<hr style="width: 100%;"/>			
<del>147k</del>	<del>189k</del>	<del>126k</del>	} On cancelling the common term
21	27	18	
7	9	6	

$$\therefore \text{B's part more than that of C} = \frac{9-6}{22} \times 26400 = 36000/-$$

Hence, option C is correct.

**2.** Initially, A's capital = Rs. x

$$\text{B's capital} = \text{Rs. } \frac{3x}{2}$$

Ratio of the equivalent capitals of A and B for 1 month

$$= \left(x \times 10 + \frac{3x}{4} \times 2\right) : \left(\frac{3x}{2} \times 8 + \frac{3x}{4} \times 4\right)$$

$$= \left(10x + \frac{3x}{4} \times 2\right) : (12x + 3x)$$

$$= 23 : 30$$

$$\text{A's share} = \frac{23}{53} \times 53000 = \text{₹ } 23000.$$

Hence, option D is correct.

**3.** Annual profit = 157300

$$A : B = 3 : 2 \Leftrightarrow 6 : 4$$

$$A : C = 2 : 1 \Leftrightarrow 6 : 3$$

$$A : B : C = 6 : 4 : 3$$

$$\text{B's share} = \frac{4}{13} \times 157300 = 4 \times 12100 = 48400/-$$

Hence, option D is correct.

**4.** Ratio of amount invested by P, Q, R

$$= 45k : 70k : 90k$$

$$= 9 : 14 : 18$$

Total profit = Rs. 164K

$$Q's \text{ share} = \frac{14}{41} \times 164k = 14 \times 4k = \text{Rs. } 56k.$$

Hence, option A is correct.

**5.**

$$\text{Profit earned by C} = 1 - \left(\frac{1}{3} + \frac{1}{4}\right) = 1 - \frac{7}{12} = \frac{5}{12}$$

So,

$$\frac{5}{12} = 5,000$$

$$\therefore 1 \rightarrow 12,000$$

$$\therefore \text{Profit received by A} = \frac{1}{3} \times 12,000 = \text{Rs. } 4,000$$

Hence, option B is correct.

**6.**

$$\begin{array}{ccc} A & B & C \\ 2 & : & 1 \\ & & 4 : 1 \end{array}$$

$$\hline 2 \times 4 \quad : \quad 1 \times 4 \quad : \quad 1 \times 1$$

$$\text{i.e. } 8 \quad : \quad 4 \quad : \quad 1$$

Hence, option C is correct.

**7.** Ratio of Abhishek and Sudin for one month

$$= (50,000 \times 12) + (80,000 \times 24) : (70,000 \times 24)$$

$$= (60,000 + 1920000) : 1680000 = 3 : 2$$

Hence share of sudin in the profit earned from the business

$$= \frac{87,500}{(3 + 2)} \times 2 = \text{Rs. } 35000$$

Hence, option E is correct.

**8.** Ratio of profit = 5 : 9

Now,  $\frac{\text{Share of A's investment}}{\text{Share of B's investment}}$

$$= \frac{\text{Profit of A}}{\text{Profit of B}}$$

$$\text{or, } \frac{5 \times 8}{6 \times \text{months}(x)} = \frac{5}{9}$$

$$\text{or, } x = \frac{5 \times 8 \times 9}{5 \times 6} = 12 \text{ months}$$

Hence, option A is correct.

**9.** As in all the three investments '0000' are common we can go ahead solving the question without taking them into consideration.

Let the required number of months be x. As per the question,

Investment by Murli =  $4 \times 12 = \text{Rs. } 48$

Investment by Manohar =  $5 \times (12 - x)$  and

Investment by Joshi =  $6 \times (12 - x)$

And the profit ratio = 16 : 15 : 18

Taking the first two terms from the ratio, we get

$$\frac{48}{5 \times (12 - x)} = \frac{16}{15}$$

Or  $(12 - x) = 9$  Therefore,  $x = 3$  months

Hence, option C is correct.

**10.** Ratio of the capital = 5500 : 6250

= 22 : 25

Difference between their profit = Rs. 540 So,

=  $540 \div 3 \times 47$

= Rs. 8460

Hence, option E is correct.



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