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Partnership Questions for Bank Clerk Pre Exams.

Partnership Quiz 3

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

1. Gita started a business investing Rs. 60000. After six months Kanchan joined her with Rs. 90000. After another six months Rekha also joined them with Rs. 1.35 lakh. The profit earned at the end of 3 years when Gita started the business should be distributed among Gita, Kanchan and Rekha in the ratio of

A. 4 : 5 : 6   B. 6 : 7 : 8   C. 6 : 8 : 7   D. 6 : 5 : 4   E. None of these

2. Pradeep invested 20% more than Manu, Manu invested 10% less than Ram. If the total sum of their investments is Rs. 14,900, how much amount did Ram invest?

A. Rs 4950   B. Rs 4900   C. Rs 5000   D. Rs 5050   E. None of these

3. Puneet, Sumit and Amit started a business jointly investing Rs. 11 lakh, 16.5 lakh and 8.25 lakh respectively. The profit earned by them in the business at the end of three years was Rs. 19.5 lakh. What will be the half of Amit's share in the profit?

A. Rs 4.5 lakh   B. Rs 2.25 lakh   C. Rs 2.5 lakh   D. Rs 3.75 lakh   E. None of these

4. Saurabh, Sanjay and Shubham started a business by investing some money for equal time. Saurabh invested Rs. x, Sanjay invested 75% of Saurabh's investment and 80% of the Shubham's investment. Shubham earned Rs. 10500 of the total profit, Find the total profit.

A. Rs. 35400   B. Rs. 36200   C. Rs. 32500   D. Rs. 30100   E. None of these

5. Ananya, Dhairya and Chintu started a business investing Rs. 10000, 15000, 18000 respectively. Ananya kept the money for whole year, Dhairya kept his entire amount for 9 months and Chintu kept his money for 7 months. If after a year, Chintu earned Rs. 2100, find the difference between the profit of Ananya and Dhairya.

A. Rs 200   B. Rs 250   C. Rs 160   D. Rs 300   E. None of these

6. Four child entered into a partnership. A put Rs 15 for 4 months, B put Rs 12 for 2 months, C put Rs 18 for 6 months and D put Rs 16 for 5 months. If profit at the end of year is 1020, What is A's share of profit?

A. Rs 255   B. Rs 425   C. Rs 245   D. Rs 225   E. None of these

7. In a business, Atul invests 2/5 of the capital for 8 months, Bablu invests 1/4 of the capital for 1/3 of the time and Shinu invests rest of the capital for whole time that is 12 months. Find the difference between the profit of Bablu and Shinu if Atul's share is Rs 3840.

A. Rs 3840   B. Rs 2500   C. Rs 3260   D. Rs 4260   E. None of these

8. In a business Gaurav, Aashu and Arun invested some money for the same time. 6/11 of the Gaurav's investment is equal to the 15/ 37 of the Arun's investment and Arun invested Rs 1200 more than Aashu's investment and Aashu invested Rs 21000. If out of the total profit Gaurav gets Rs 1815, find the total profit.

A. Rs 6982   B. Rs 6567   C. Rs 7256   D. Rs 7006   E. None of these

9. Krishna being the working partner receives $(1/10)^{th}$ of the profit and the remaining amount is divided between Krishna and Suddesh in the ratio of 4 : 5. If Krishna gets Rs. 325 as profit, what is Suddesh's share?

A. Rs 325   B. Rs 650   C. Rs 625   D. Rs 350   E. None of these

10. A starts a business with capital of Rs.1400.Five months later B joins and further two months later C joins them. What amount of capital is put in by B and C, if the at the end of the year their shares of profit are as 4 : 3 : 2 ?

A. Rs.1800 and Rs.1680   B. Rs.1800 and Rs.1600   C. Rs.1680 and Rs.1800
D. Rs.1780 and Rs.1680   E. None of these

Correct Answers:

1	2	3	4	5	6	7	8	9	10
A	C	B	D	B	D	A	B	A	A

Explanations:

1. Profit ratio investment ratio among Gita, Kanchan and Rekha

Gita's investment for 36 months : Kanchan's investment for 30 months : Rekha's investment for 24 months
= 60000 × 36 : 90000 × 30 : 135000 × 24 = 4 : 5 : 6
Hence, option A is correct.

2. Let Ram's investment be 100/-

Then, Manu's investment

= $100x × \dfrac{90}{100}$ = 90/-

And Pradeep's investment

= $\dfrac{120}{100}$ × 90 = 108/-

Ratio of Ram's investment : Ratio of Manu's investment : Ratio of Pradeep's investment = 100 : 90 : 108 = 50 : 45 : 54

∴ Investment made by Ram

= $\dfrac{50}{149}$ × 14900 = Rs 5000/-

Hence, option C is correct.

3. Profit ratio = Investment by Puneet × Time : Investment by Sumit × Time : Investment by Amit × Time = 11 × 3 : 16.5 × 3 : 8.25 × 3 = 11 : 16.5 : 8.25 = 44 : 66 : 33

Amit's share in profit

$= \dfrac{33}{143} \times 19.5 = Rs.\,4.5\ lakh$

∴ 50% of Amit's share
$= \dfrac{1}{2} \times 4.5 = Rs.\,2.25\ lakh$

Hence, option B is correct.

4. Saurabh's investment = x, Sanjay' investment = x × 75%,

Sanjay's investment is 80% of the Shubham's investment (x × 75%)

Hence, Shubham's investment = x × 75% ÷ 80%

Ratio of Saurabh : Sanjay : Shubham = x : x × 75% : x × 75% ÷ 80%

= x × 80% : x × 80% × 75% : x × 75%

= 16 : 12 : 15

Shubham's profit = 10500 Rs.

= 10500 ÷ 15 × 43

= 30100 Rs.

Hence option D is correct.

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5. Ratio of the capital = 10000 × 12 : 15000 × 9 : 18000 × 7

= 40 : 45 : 42

Chintu's profit is Rs 2100.

42x = 2100

x = 50

Difference between Ananya and Dhairya's profit = 45x – 40x

= 5x = 5 × 50 = Rs 250

Hence, option B is correct.

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6. Ratio of share of profit for A, B, C and D is given by

A : B : C : D = (15 × 4) : (12 × 2) : (18 × 6) : (16 × 5)

= 60 : 24 : 108 : 80

= 15 : 6 : 27 : 20

$\Rightarrow$ A's share of profit = $\dfrac{15}{68}$ × 1020

= Rs 225

Hence, option D is correct.

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7. Let total capital = x Rs, total time = 12 months

According to the question,

$\dfrac{2x}{5} \times 8 : \dfrac{x}{4} \times \dfrac{12}{3} : (1 - \dfrac{2}{5} - \dfrac{1}{4}) \times 12$

$\dfrac{16}{5} : 1 : \dfrac{7}{20} \times 12 = 16 : 5 : 21$

Atul's share = 3840

Difference = $\dfrac{3840}{16} \times (21 - 5) = 3840$

Hence, option A is correct.

8. Aashu's investment = Rs 21000, Arun's investment = 21000 + 1200 = Rs 22200

Let Gaurav's investment = Rs x

$$\frac{6}{11} \times x = \frac{15}{37} \times 22200$$

$$\frac{6}{11} x = 9000$$

x = Rs 16500

Ratio of profit = 16500 : 22200 : 21000

= 55 : 74 : 70

Total profit = $\frac{15}{55} \times 199$ = Rs 6567

Hence, option B is correct.

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9. Ratio of investment = ratio of share

Let profit = Rs a

At first Krishna received money = Rs. $\frac{a}{10}$

So remaining money = Rs $\left(a - \frac{a}{10}\right)$

= Rs. $\frac{9a}{10}$

As per the question

Share of Krishna = Rs $\left(\frac{1}{10} + \frac{9a}{10} \times \frac{4}{9}\right)$

= Rs $\frac{a}{2}$

But his share is Rs 325 $\Rightarrow \frac{a}{2}$ = Rs 325

$\Rightarrow$ a = Rs 630

Hence share of sudesh = $a - \frac{a}{2} = \frac{a}{2}$ = Rs 325

Hence, option A is correct.

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10. Ratio of investment = ratio of Profit

Let B invested Rs. b for 7 months and C invested Rs.c for 5 months

The as per the condition

(1400 × 12) : (b × 7) : (c × 5) = 4:3:2

$\Rightarrow$ 1400 × 12 = 4a $\Rightarrow$ a = 4200

$\Rightarrow$ b × 7 = 3a = 3 × 4200 $\Rightarrow$ b = Rs.1800

$\Rightarrow$ c × 5 = 2a = 2 × 4200 $\Rightarrow$ c = Rs.1680

Hence, option A is correct.