Partnership Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains, RRB Scale I Pre & LIC AAO Exams.

Partnership Quiz 5

Direction: Read the following questions carefully and choose the right answer.

1. **Dholak and Tabla entered in a partnership business in which Tabla invested Rs. 50,000. At the end of 4 months Tabla withdrew Rs. 7500 and at the end of another 5 months he again withdrew Rs. 9000. Dholak had left his investment intact, then what was his investment if at the end of one – year he received 40% of the total profit?**

A. Rs. 27500   B. Rs. 32000   C. Rs. 28500   D. Rs. 31500   E. None of these

2. **Amit and Aarnav invest Rs. 30,000 and Rs. 20,000 respectively for a business at the start of a year. In each of the next six months after the first month Amit keeps on adding Rs. 1000 while Aarnav keeps on removing Rs. 1000. In the remaining months Amit keeps on removing Rs. 1000 while Aarnav keeps on adding Rs. 1000 every month. Akhil joined them with Rs. 55,000 three months after the start and continued till the end of the year. What will be the difference in the shares of Akhil and Amit after a year if the total profit at the end of the year is Rs. 219000?**

A. Rs. 18800   B. Rs. 19800   C. Rs. 19100   D. Rs. 16800   E. Rs. 17600

3. **Two friends A and B invest in a business in partnership. B borrows 20% of A's salary, combines it with 60% of his salary and invests with A, who puts all of his remaining salary. One year later the ratio of profit of A and B is 5 : 3 respectively and B returns Rs. 21000 to A which he borrowed from him. What is the difference between salary of A and B?**

A. Rs. 33000   B. Rs. 56000   C. Rs. 60000   D. Rs. 28000   E. None of these

4. **Sudhir and Tushar invested Rs. x and Rs. 3x respectively in a business. The time periods of Sudhir and Tushar is in the ratio 2 : 3. If the profit share of Tushar is Rs. 270000, then find the total profit if they continue the business for 3 more years?**

A. Rs. 330000   B. Rs. 660000   C. Rs. 1320000   D. Rs. 1640000   E. Rs. 1240000

5. Rocky, Molly and Monty invest Rs. 20,000, 20,000 and 30,000 respectively for a business at the start of a year. They continued with same investment till 6 months. In the remaining months Rocky keeps on removing Rs. 2000, Molly keeps on adding Rs. 1000 while Monty keeps on removing Rs. 3000 every month. If the total profit is Rs. 336000, then what is the share of Molly?

A. Rs. 160000   B. Rs. 116000   C. Rs. 126000   D. Rs. 166000   E. Rs. 168000

6. A, B and C has Rs 40000, Rs 60000 and Rs 42000 with them. B invests half of his money in partnership with A and the remaining amount in partnership with C. 6 months later B withdraws half the amount invested with A and puts that in the partnership with C. Two years later the profit received by A and C are Rs 6400 and Rs 6720, what is the total profit received by B?

A. Rs. 8800   B. Rs. 9600   C. Rs. 7800   D. Rs .8500   E. None of these

7. R, Q and P start a business together with initial investment of Rs. 20000, Rs. 30000 and Rs. 25000 respectively. After 8 months, R and Q take out Rs. 10000 each from the investment. Total profit earned at the end of the year is Rs. 16400. Find out P's share of profit.

A. Rs. 5500   B. Rs. 6500   C. Rs. 4000   D. Rs. 6000   E. Rs. 5000

8. A starts a business with Rs 'P' and 2 months later C joins him with Rs 'P/2', 1 month later B also joins him with Rs '3P'. The difference between the profit received by A and C at the end of one year is Rs. 9800. What is the difference between the profit received by B and C?

A. Rs. 28000   B. Rs. 30800   C. Rs. 32500   D. Rs. 36000   E. Rs. 35000

9. A and B start a business. A invests Rs 'X' and B invests Rs 45000. 9 months later A withdraws half the amount. The profit received by A at the end of 1 year is 22.22% less than that of B. What is the value of 'X'?

A. 40000   B. 45000   C. 42000   D. 48000   E. 36000

10. Siraj and Hiten started a business with investment of Rs. 15000 and Rs. 18000, respectively. After one year, Siraj increased his investment by 10% while Hiten decreased his investment by 10%. At the end of two years, total profit made by the business is Rs. 13140. Find the share of profit of Hiten.

A. Rs. 6220   B. Rs. 6840   C. Rs. 6280   D. Rs. 7480   E. Rs. 6530

CORRECT OPTIONS:

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

Explanations:

1. Let the investment of Dholak = Rs. a then
Ratio of profit sharing of Dholak to Tabla = 40 : 60 = 2 : 3

According to the question,
a × 12 : (50000 × 4 + 42500 × 5 + 33500 × 3) = 2 : 3

By solving, a = Rs. 28500

Hence, option C is correct.

2. Amit's investment: 1000 [30 + (31 + 32 + 33 + 34 + 35 + 36) + (35 + 34 + 33 + 32 + 31)]
= 1000 [30 + 36 + 2 (31 + 32 + 33 + 34 + 35)] = 1000 [66 + 2 (165)] = 1000 [396] = Rs. 396000

Aarnav's investment: 1000 [20 + (19 + 18 + 17 + 16 + 15 + 14) + (15 + 16 + 17 + 18 + 19)]
= 1000 [20 + 14 + 2(15 + 16 + 17 + 18 + 19)] = 1000 [34 + 2 (85)] = 1000 [204] = Rs. 204000

Akhil's investment : 55000 × 9 = Rs. 495000
Ratio of Profits: 396000 : 204000 : 495000 = 396 : 204 : 495

Difference in the shares of Akhil and Amit = $\dfrac{(495 - 396) \times 219000}{396 + 204 + 495}$ = $\dfrac{99 \times 219000}{1095}$ = Rs. 19800

Hence, option B is correct.

3. Let salary of A = Rs. 10a and salary of B = Rs. 10b
Investment by B = Rs. (2a + 6b), investment by A = Rs. 8a
Ratio of investment = ratio of profit

$$\dfrac{8a}{2a + 6b} = \dfrac{5}{3}$$

$$\dfrac{a}{b} = \dfrac{15}{7}$$

B returns 21000 to A, so 2a = 21000
Investment of A = 8a = 84000
Salary of A = 10a = Rs.105000

Investment of B = $\dfrac{84000 \times 3}{5}$ = Rs. 50400 → 2a + 6b

=> 6b = 50400 − 21000 = 29400

Salary of B = 10b = $\dfrac{29400 \times 10}{6}$ = Rs.49000

Difference = Rs. (105000 − 49000) = Rs.56000
Hence, option B is correct.

4.

	Sudhir	Tushar
Capital	x	3x
Time period	2	3
Profit share	2x	9x

Profit share of Tushar = Rs. 270000

Given that, 9x = 270000

x = Rs. 30000

Total profit = 2x + 9x = 11x
Total profit = 330000
Total profit for 1 year = 330000
Time period = 1 + 3 = 4 years
Total period for 4 years = Rs. 1320000
Hence, option C is correct.

5.

Rocky's investment = 20000 x 6 + 1000 {18 + 16 + 14 + 12 + 10 + 8}

→ 120000 + 1000{78} = Rs. 198000

Molly's investment = 20000 x 6 + 1000 {21 + 22 + 23 + 24 + 25 + 26}

→ 120000 + 1000{141} = Rs. 261000

Monty's investment = 30000 × 6 + 1000 {27 + 24 + 21 + 18 + 15 + 12}

→180000 + 1000{117} = Rs. 297000

Ratio of their investments = 198000 : 261000 : 297000
→ 22 : 29 : 33

Given that total investment is Rs. 336000

Molly's share = $\dfrac{29 \times 336000}{84}$

Molly's share = Rs. 116000

Hence, option B is correct.

6. A- 40000, B - 60000 and C- 42000

B invests 30000 with A and 6 months later withdraws half amount i.e. 15000

Investment ratio of A and B = 40000 × 24 : 30000 × 6 + 15000 × 18 = 32 : 15

Profit received by A = 6400. So, profit received by B = $\dfrac{15}{32}$ × 6400 = 3000

B invests 30000 with C and 6 months later invests 15000 more

Investment ratio of B and C = 30000 × 6 + 45000 × 18 : 42000 × 24 = 55 : 56

Profit received by C = 6720. So, profit received by B = $\dfrac{55}{56}$ × 6720 = 6600

Total profit received by B = 3000 + 6600 = 9600

Hence, option B is correct.

7. Ratio of profit earned = Ratio of investment made.

Investment made by R = (20000 × 8) + (10000 × 4) = 200000

Investment made by Q = (30000 × 8) + (20000 × 4) = 320000

Investment made by P = 25000 × 12 = Rs. 300000

Ratio of investment = 200000 : 320000 : 300000 ⇒ 10 : 16 : 15

∴ P's share of profit = $\dfrac{15}{41}$ × 16400 = Rs. 6000

Hence, option D is correct.

8. Ratio of investment of A, B and C

= P × 12 : 3P × 9 : $\dfrac{P}{2}$ × 10 → 12 : 27 : 5

Let the profit received by A, B and C be 12k, 27k and 5k

Difference between the profit of A and C = 7k = 9800 → k = 1400
Difference between the profit of B and C = 22k = 22 × 1400 = Rs. 30800
Hence, option B is correct.

9. A invests Rs 'X' and B invests Rs 45000. 9 months later A withdraws half the amount.

Ratio of investment of A : B = X × 9 + $\dfrac{X}{2}$ × 3 : 45000 × 12 = 7X : 360000

The profit received by A at the end of 1 year is 22.22% less than that of B

7X : 360000 = 7 : 9

X = 40000

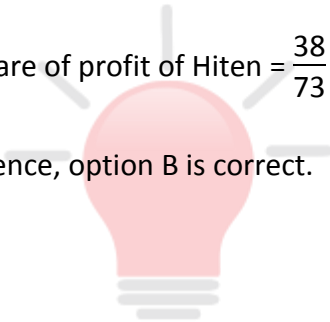Hence, option A is correct.

10. Ratio of investment of Siraj : Hiten = 15000×12 + 15000 (1.1)×12 : 18000×12 + 18000(0.9) × 12 = 35 : 38

Ratio of profit share = 35 : 38

Share of profit of Hiten = $\dfrac{38}{73}$ × 13140 = Rs.6840

Hence, option B is correct.