



Name of the Bundle	Advanced Bundle V1	Subject	Aptitude
Topic	Partnership	Last updated on	05 August 2025

## CONCEPT 1 – BASIC PROBLEMS

- 1) A and B take a grass field on lease for Rs.300 for grazing their animals. If A grazes 10 animals for 5 weeks and B grazes 15 animals for 7 weeks. The ratio in which they should divide the rent is \_\_\_\_.
- a) 1 : 2
  - b) 10 : 21
  - c) 11 : 20
  - d) 2 : 1

**ANS: b) 10:21**

**Explanation:**

$$\begin{array}{c} A : B \\ \begin{array}{cc} 2 & 3 \\ 10 \times 5 & : 15 \times 7 \end{array} \\ 10 : 21 \end{array}$$



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: [www.selvamtech.edu.in](http://www.selvamtech.edu.in)

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

## CONCEPT 2 - PROFIT = CAPITAL \* TIME

- 2) Two partners X and Y start a business by investing Rs.50,000 and Rs.40,000 respectively. What will be the ratio of their profits at the end of the year?
- 5 : 4
  - 3 : 6
  - 4 : 5
  - 6 : 3

**ANS: a) 5 : 4**

**Explanation:**

CAPITAL X : Y = 50,000 : 40,000 = 5 : 4.

$$\begin{array}{rcl}
 & & X : Y \\
 \text{CAPITAL} & & \\
 & * & \left( \begin{array}{c} 5 : 4 \\ 1 : 1 \end{array} \right) * \\
 \text{TIME} & & \\
 \hline
 \text{PROFIT} & & 5 : 4
 \end{array}$$

**Note :** Always remember when time is the same the profit will be divided in the ratio of their capitals.



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

3) Sujitha and Indira started a business by investing 36,000 and 63,000. Find the share of each, out of the annual profit of 5500.

- a) 2000, 3500
- b) 2500, 3500
- c) 3500, 2500
- d) None of these

**ANS: a) 2000, 3500.**

**Explanation:**

CAPITAL Sujitha : Indira = 36,000 : 63,000 = 4 : 7.

Sujitha : Indira

CAPITAL

TIME

$$* \begin{pmatrix} 4 & : & 7 \\ 1 & : & 1 \end{pmatrix} *$$

**PROFIT**

**4 : 7**

**Note :** Always remember when time is the same the profit will be divided in the ratio of their capitals.

Total Profit = 11 units = 5500.

4 Units = 2000.

7 units = 3500.



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

- 4) X starts a business with Rs.25,000. After 4 months Y joins him with Rs.20,000. What will be the ratio of their profit at the end of the year?

- 4 : 8  
5 : 10  
15 : 8  
9 : 18

**ANS: c) 15: 8**

**Explanation:**

**CAPITAL** X : Y = 25,000 : 20,000 = 5 : 4.

**TIME** X : Y = 12 Months : 8 Months = 3 : 2.

$$\begin{array}{rcl}
 & & \text{A : B} \\
 \text{CAPITAL} & & \\
 & * \left( \begin{array}{c} 5 : 4 \\ 3 : 2 \end{array} \right) * \\
 \text{TIME} & & \\
 \hline
 \text{PROFIT} & & 15 : 8
 \end{array}$$



# Selvam College of Technology



An Autonomous Institution

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: [www.selvamtech.edu.in](http://www.selvamtech.edu.in)

Name of the Bundle	Advanced Bundle V1	Subject	Aptitude
Topic	Partnership	Last updated on	05 August 2025

5) A, B and C invested in the ratio 1 : 2 : 3; the timing of their investments being in the ratio 1 : 2 : 3. In what ratio would their profit be distributed?

- a) 3 : 2 : 1
- b) 1 : 2 : 3
- c) 1 : 4 : 9
- d) 9 : 4 : 1

**ANS: c) 1 : 4 : 9**

**Explanation:**

$$\begin{array}{ccc} & & A : B : C \\ \text{CAPITAL} & & \\ & * & \left( \begin{array}{c} 1 : 2 : 3 \\ 1 : 2 : 3 \end{array} \right) * \\ \text{TIME} & & \\ \hline \text{PROFIT} & & 1 : 4 : 9 \end{array}$$



# Selvam College of Technology



An Autonomous Institution

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: [www.selvamtech.edu.in](http://www.selvamtech.edu.in)

Name of the Bundle	Advanced Bundle V1	Subject	Aptitude
Topic	Partnership	Last updated on	05 August 2025

6) A, B and C invested in the ratio 2 : 5 : 7; the timing of their investments being in the ratio 3 : 4 : 5. In what ratio would their profit be distributed

- a) 2 : 10 : 15.
- b) 15 : 10 : 2.
- c) 6 : 20 : 35.
- d) 6 : 20 : 15.

**ANS: c) 6 : 20 : 35.**

**Explanation:**

$$\begin{array}{rcl} & & A : B : C \\ \text{CAPITAL} & & \\ \text{TIME} & * \left( \begin{array}{c} 2 : 5 : 7 \\ 3 : 4 : 5 \end{array} \right) * & \\ \hline \text{PROFIT} & & 6 : 20 : 35 \end{array}$$



# Selvam College of Technology



An Autonomous Institution

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

Name of the Bundle	Advanced Bundle V1	Subject	Aptitude
Topic	Partnership	Last updated on	05 August 2025

7) A, B and C invested capital in the ratio 4 : 6 : 9. At the end of the business term, they received the profits in the ratio 2 : 3 : 5. Find the ratio of time for which they contributed their capitals.

- a) 6 : 5 : 8.
- b) 6 : 5 : 9.
- c) 10 : 12 : 9.
- d) 18 : 18 : 20.

**ANS: d) 18 : 18 : 20 .**

**Explanation:**

	A : B : C
CAPITAL	4 : 6 : 9
PROFIT	2 : 3 : 5
<hr/>	
TIME	$\frac{2}{4} : \frac{3}{6} : \frac{5}{9}$
	$\frac{1}{2} : \frac{1}{2} : \frac{5}{9}$
	9 : 9 : 10

According to the options, option d) 18:18:20 is the answer.



# Selvam College of Technology



An Autonomous Institution

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

Name of the Bundle	Advanced Bundle V1	Subject	Aptitude
Topic	Partnership	Last updated on	05 August 2025

8) A,B and C invest their capitals in a business. If the ratio of their periods of investments are 2 : 3 : 6 and their profits are in the ratio of 4 : 5 : 6. Find the ratio in which the investments are made by A,B and C.

- a) 9 : 10 : 12.
- b) 4 : 5 : 6.
- c) 8 : 5 : 12.
- d) 6 : 5 : 3.

**ANS: d) 6 : 5 : 3.**

**Explanation:**

	A : B : C
TIME	2 : 3 : 6
PROFIT	4 : 5 : 6
<hr/>	
CAPITAL	$\frac{4}{2} : \frac{5}{3} : \frac{6}{6}$
	$2 : \frac{5}{3} : 1$
	6 : 5 : 3





# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: [www.selvamtech.edu.in](http://www.selvamtech.edu.in)

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

9) A, B and C invested capital in ratio 5 : 7 : 4, then time of their investment being in the ratio  $x : y : z$ . If their profits are in the ratio 45 : 42 : 28, then  $x : y : z = ?$

- a) 9 : 6 : 7
- b) 6 : 7 : 9
- c) 9 : 4 : 7
- d) 7 : 9 : 4

**ANS: a) 9 : 6 : 7**

**Explanation**

	<b>A</b>	<b>B</b>	<b>C</b>
<b>Capital</b>	5	: 7	: 4
<b>Profit</b>	45	: 42	: 28
<b>Time</b>	45/5	: 42/7	: 28/4
	9	: 6	: 7



<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

## CONCEPT 3 - JOINING / WITHDRAWING AFTER X MONTHS.

10) A starts a business with 50,000. After 3 months B joins him with 70,000. At the end of the year, in what ratio should they share the profit ?

- a) 12 : 13
- b) 13 : 12
- c) 11 : 15
- d) 20 : 21

**ANS: d) 20 : 21**

**Explanation:**

**CAPITAL**    A : B = 50,000 : 70,000 = 5 : 7.

**TIME**        A : B = 12 Months : 9 Months = 4 : 3.

$$\begin{array}{rcl}
 & & \text{A : B} \\
 \text{CAPITAL} & & \\
 & & \\
 \text{TIME} & * & \left( \begin{array}{c} 5 : 7 \\ 4 : 3 \end{array} \right) * \\
 & & \\
 \hline
 \text{PROFIT} & & 20 : 21
 \end{array}$$



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

11) X and Y are partners in a business. They invest in the ratio 5 : 6, at the end of 8 months X withdraws. If they receive profits in the ratio 5 : 9. Find how long

Y's investment was used?

- a) 12 months
- b) 10 months
- c) 15 months
- d) 14 months

**ANS: a) 12 months .**

**Explanation:**

	<b>X : Y</b>
<b>CAPITAL</b>	<b>5 : 6</b>
<b>PROFIT</b>	<b>5 : 9</b>
<hr/>	
<b>TIME</b>	<b><math>\frac{5}{5} : \frac{9}{6}</math></b>
	<b><math>1 : \frac{3}{2}</math></b>
	<b>2 : 3</b>

**TIME**      **X : Y = 8 Months : X Months = 2 : 3.**

**2 Units — 8 months;**

**3 Units — 12 months.**



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

12) X and Y enter into a partnership with their capitals in the ratio 7 : 9. At the end of the 8th month, X withdraws his capital. If they receive the profits in the ratio 8 : 9, Find how long Y's capital was used.

- a) 4 months
- b) 6 months
- c) 7 months
- d) 8 months

**ANS: c) 7 months.**

**Explanation:**

TIME      X : Y = 8 Months : X Months = 2 : 3

2 Units – 8 months;

	X : Y
CAPITAL	7 : 9
PROFIT	8 : 9
<hr/>	
TIME	$\frac{8}{7} : \frac{9}{9}$
	8 : 7

TIME      X : Y = 8 Months : X Months = 8 : 7.

8 Units – 8 months;

7 Units – 7 months.



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

13) X started a business by investing Rs. 2700. After sometime Y joined him by investing Rs. 2025. At the end of one year, the profit was divided in the ratio 2 : 1. After how many months did Y join the business?

- a) 4 Months.
- b) 6 Months.
- c) 3 Months.
- d) 2 Months.

**ANS: a) 4 Months.**

**Explanation:**

CAPITAL X : Y = 2700 : 2025 = 4 : 3.

	<b>X : Y</b>
<b>CAPITAL</b>	<b>4 : 3</b>
<b>PROFIT</b>	<b>2 : 1</b>
<hr/>	
<b>TIME</b>	<b><math>\frac{2}{4} : \frac{1}{3}</math></b>
	<b>3 : 2</b>

TIME X : Y = 12 Months : X Months = 3 : 2.

3 Units – 12 months;

2 Units – 8 months.(Time period in which Y invested )

Therefore, After 4 months Y joined.



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

14) A started a business with Rs.45,000 and B joined afterwards with Rs.30,000. If the profit at the end of the one year was divided in the ratio 2 : 1 respectively, then B would have joined A for business after.

- a) 1 month.
- b) 2 months.
- c) 3 months.
- d) 4 months.

**ANS: c) 3 months.**

**Explanation:**

**CAPITAL** A : B = 45,000 : 30,000 = 3 : 2.

	<b>A : B</b>
<b>CAPITAL</b>	<b>3 : 2</b>
<b>PROFIT</b>	<b>2 : 1</b>
<hr/>	
<b>TIME</b>	<b><math>\frac{2}{3} : \frac{1}{2}</math></b>
	<b>4 : 3</b>

**TIME** A : B = 12 Months : X Months = 4 : 3.

4 Units – 12 months;

3 Units – 9 months.(Time period in which Y invested )

Therefore, After 3 months B joined.



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

15) A started a business by investing Rs.36,000. After 4 months B joined her with some investment. At the end of the year, the total profit was divided between them in the ratio 9 : 7. How much capital was invested by B in the business?

- a) 40,000.
- b) 42,000.
- c) 41,000.
- d) None of these

**ANS: b) 42,000.**

**Explanation:**

Time A : B = 12 months : 8 months = 3 : 2.

	<b>A : B</b>
<b>TIME</b>	<b>3 : 2</b>
<b>PROFIT</b>	<b>9 : 7</b>
<hr/>	
<b>CAPITAL</b>	<b><math>\frac{9}{3} : \frac{7}{2}</math></b>
	<b>6 : 7</b>

**CAPITAL** A : B = 36,000 : Rs.X = 6 : 7.

6 Units — Rs.36,000 ;

7 Units — Rs.42,000.



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

16) A starts a business with 21,000/- and later on B joins him with 36,000/- After how many months did B join if the profit is distributed in an equal ratio?

- a) 5 months
- b) 7 months
- c) 6 months
- d) 9 months

**ANS: a) 5 months**

**Explanation:**

CAPITAL A : B = 21,000 : 36,000 = 7 : 12.

	<b>A : B</b>
<b>CAPITAL</b>	<b>7 : 12</b>
<b>PROFIT</b>	<b>1 : 1</b>
<hr/>	
<b>TIME</b>	<b><math>\frac{1}{7} : \frac{1}{12}</math></b>
	<b>12 : 7</b>

TIME X : Y = 12 Months : X Months = 12 : 7.

12 Units – 12 months;

7 Units – 7 months.

Therefore, After 5 months B joined.





# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: [www.selvamtech.edu.in](http://www.selvamtech.edu.in)

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

17) A and B entered into partnership with capitals in the ratio of 4 and 5. After three months A withdrew  $\frac{1}{4}$  of his capital and B withdrew  $\frac{1}{5}$  of his capital. The gain at the end of 10 months was Rs.760. Find their shares of profit.

- a) 330,430
- b) 180,210
- c) 220,320
- d) 430,530

**ANS: a) 330,430**

**Explanation:**

<p>First 3 months:</p> <p>A : B</p> <p>C 4 : 5</p> <p>T 3 : 3</p> <p><b>12 : 15</b></p>	<p>Next 7 months (after withdrawal):</p> <p>A : B</p> <p>C 3 : 4</p> <p>T 7 : 7</p> <p><b>21 : 28</b></p>
-----------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------

**Profit C × T:**

$$A = 12 + 21 = 33 \text{ Units}$$

$$B = 15 + 28 = 43 \text{ Units}$$

**Total:**

$$\text{Total} \rightarrow 76 \text{ Units} = ₹760$$

$$33 \text{ Units} \rightarrow ₹330$$

$$43 \text{ Units} \rightarrow ₹430$$



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: [www.selvamtech.edu.in](http://www.selvamtech.edu.in)

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

18) A, B and C started business with their investment in the ratio 1:3:5. After 4 months A invested the same amount as before and B as well as C withdrew half of their investments. The ratio of their profits at the end of the year was:

a) 5:8:10

b) 6:5:10

c) 10:5:6

d) 5:6:10

**ANS: d) 5:6:10**

**Explanation**

First 4 months:	Next 8 months (after withdrawal):
A : B : C	A : B : C
C 1 : 3 : 5	C 2 : 1.5 : 2.5
T 4 : 4 : 4	T 8 : 8 : 8
4 : 12 : 20	16 : 12 : 20

$$A = 4 + 16 = 20 \text{ units}$$

$$B = 12 + 12 = 24 \text{ units}$$

$$C = 20 + 20 = 40 \text{ units}$$

So, **A : B : C :: 5 : 6 : 10**



Name of the Bundle	Advanced Bundle V1	Subject	Aptitude
Topic	Partnership	Last updated on	05 August 2025

19) 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

**ANS: d)Rs. 14,700**

### Explanation

Let us assume C = x

$$\begin{aligned}A &= B + 4000 = (x + 5000) + 4000 \\&= x + 9000\end{aligned}$$

$$B = C + 5000 = x + 5000$$

$$\text{Total investment} = 50,000$$

$$A + B + C = 50,000$$

$$(x + 9000) + (x + 5000) + x = 50,000$$

$$3x + 14,000 = 50,000$$

$$x = 12,000$$

$$A = x + 9000 = 12,000 + 9000 = 21000$$

$$B = x + 5000 = 12,000 + 5000 = 17000$$

$$C = x = 12,000$$

$$\begin{aligned}\text{Then, Profit ratio} &= 21000 * 1 : 17000 * 1 : 12000 * 1 \\&= 21 : 17 : 12\end{aligned}$$

$$\text{Total profit} = 35000$$

$$50 \text{ units} \rightarrow 35000$$

$$21 \text{ units} \rightarrow \mathbf{14,700}$$



# Selvam College of Technology



**An Autonomous Institution**

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,  
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai  
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.  
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

<b>Name of the Bundle</b>	Advanced Bundle V1	<b>Subject</b>	Aptitude
<b>Topic</b>	Partnership	<b>Last updated on</b>	05 August 2025

20) 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)1425
- b)1500
- c)1537.25
- d)1576

**ANS: b)1500**

**Explanation**

Let us assume (total profit = Rs.100)

Charity = 5% of total = 5% of 100 = 5

Remaining profit = 95

This 95% is shared by A and B in 3 : 2

Total parts = 3 + 2 = 5

A gets 57, B gets 38

So, 57 ----- > 855

Then 100 ----- > ?

Total profit = Rs. 1500