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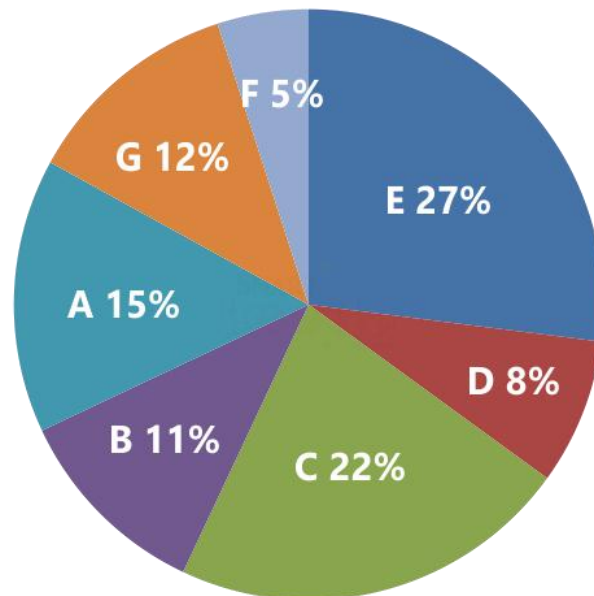
Date Interpretation Mixed Chart Questions Quiz for Bank PO Exams.

Data Interpretation Mixed Chart Quiz 2

Direction: Study the following table carefully and answer the questions based on it.

Seven Companies A, B, C, D, E, F and G are engaged in production of two items I and II. The comparative data about production of these items by the seven companies is given in the following graph and the table. Study them carefully and answer the questions given below.

Percentage of the total production produced by the seven companies



Cost to the total production (both items together) by seven companies = 25 crores

Ratio of production between items I and II and the per cent profit earned for the two items

Company	Ratio of Production		Percent profit earned	
	Item I	Item II	Item I	Item II
A	2	3	25	20
B	3	2	32	35
C	4	1	20	22
D	3	5	15	25
E	5	3	28	30
F	1	4	35	25
G	4	2	30	24

1. What is the total cost of the production of item I by companies A and C together in Rs crore ?

- A. 9.25 B. 5.9 C. 4.1625 D. 4.9 E. None of these

2. What is the amount of profit earned by company 'D' on item II ?

- A. Rs. 3,125 crores B. Rs. 31.25 crores C. Rs. 3, 125 crores D. Rs. 31, 25 crores E. None of these

3. Cost of production of item 1 by company F is what per cent of the cost of the cost of production of item II by company D ?

- A. 16% B. 33.33% C. 66.67% D. 12.5% E. None of these

4. What is total profit earned by company 'G' for item I and II together ?

- A. Rs. 78 lakh B. Rs. 1.62 crore C. Rs. 7.8 crore D. Rs. 16.2 lakh E. None of these

5. What is the ratio of cost of production of item I by company A to the cost of production of item I by company 'D' ?

- A. 3 : 5 B. 1 : 2 C. 2 : 1 D. 2 : 3 E. None of these

Correct Answers:

1	2	3	4	5
B	E	E	E	C

Explanations:

1.

$$\text{Production of A company} = \frac{15}{100} \times 25 = 3.75 \text{ crores}$$

$$\text{Production of C company} = \frac{22}{100} \times 25 = 5.5 \text{ crores}$$

The total cost of the production of item 1 by companies A and C together-

$$= \frac{2}{5} \times 3.75 + \frac{4}{5} \times 5.5$$

$$\Rightarrow 1.5 + 4.4 = 5.9 \text{ crores}$$

Hence, option B is correct.

2.

The production of D = $\frac{8}{100} \times 25 = 2$ crores

The profit earned by company 'D' on item II

$$\Rightarrow 2 \times \frac{5}{8} \times \frac{25}{100}$$

$$\Rightarrow 0.3125 \text{ crore}$$

Hence, option E is correct.

3.

Cost of production of item I by company F = $\frac{5}{100} \times 25 \times \frac{1}{5} = .25$ crore

Cost of production of item II by company D = $\frac{8}{100} \times 25 \times \frac{5}{8} = 1.25$

According to question,

$$\frac{0.25}{1.25} \times 100 = 20\%$$

Hence, option E is correct.

4.

Profit earned by company G for item I & II together

$$\frac{12}{100} \times 25 \times \frac{4}{6} \times \frac{30}{100} + \frac{12}{100} \times 25 \times \frac{2}{6} \times \frac{24}{100}$$

$$= 0.6 + 0.24 = 0.84 \text{ crore} = 84 \text{ lakh}$$

Hence, option E is correct.

5.

The cost of production of item I by company

$$A \frac{15}{100} \times 25 \times \frac{2}{5} = 1.5$$

The cost of production of item I by company

$$D \frac{8}{100} \times 25 \times \frac{3}{8} = 75$$

According to question is $1.5 : .75 = 2 : 1$

Hence, option C is correct.



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