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Data Interpretation for SSC 10 + 2 and CGL Tier-I exams

SSC Maths Quiz 5

Directions: Study the following table chart carefully and answer the questions given beside.

Data related to 5 companies which produces specific quantity of products (in lakhs) during the given years is mentioned in the table below.

Companies	2000	2001	2002	2003
A	35	10	60	5
B	20	20	30	50
C	40	23	70	40
D	31	30	10	20
E	31	41	20	10

- In which year all the companies together produces the maximum products.**
A. 2000
B. 2001
C. 2002
D. 2003
- Production of B & C together in year 2000 is what percent of Production by D and E in year 2003?**
A. 200%
B. 150%
C. 125%
D. 50%
- What is the ratio of production by A & D in 2001 to the Production by B & E in 2003?**
A. 2 : 5
B. 2 : 3
C. 3 : 2
D. 5 : 2

4. If the profit generated on selling one product produced by A is Rs. 4.5, then find the total profit earned on selling all the products of A in all year together.

A. 495 lakhs

B. 395 lakhs

C. 475 lakhs

D. 375 lakhs

Correct answer:

1	2	3	4
C	A	B	A



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Explanation:

1. The Year wise production of all companies being together is given below:

$$2000 : 35 + 20 + 40 + 31 + 31 = 157 \text{ lakhs}$$

$$2001: 10 + 20 + 23 + 30 + 41 = 124 \text{ lakhs}$$

$$2002 : 60 + 30 + 70 + 10 + 20 = 190 \text{ lakhs (maximum)}$$

$$2003 : 5 + 50 + 40 + 20 + 10 = 125 \text{ lakhs}$$

Hence, option C is the correct.

2. Production by B & C in year 2000 = 20 + 40 = 60 lakhs

$$\text{Production by D and E in year 2003} = 20 + 10 = 30 \text{ lakhs.}$$

Therefore percentage of Production by B & C together in year 2000 of the production by D and E in year 2003

$$= \frac{60}{30} \times 100\% = 200\%$$

Hence, option A is correct.

3. Production by A & D in 2001 = 10 + 30 = 40 lakhs

$$\text{Production by B & E in 2003} = 50 + 10 = 60 \text{ lakhs}$$

Therefore, the ratio of production by A & D in 2001 to the Production by B and E in 2003

$$= \frac{40}{60} = \frac{2}{3} = 2 : 3$$

Hence, option B is correct.



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4. Total Number of Products produced by A in all years together

$$= 35 + 10 + 60 + 5$$

$$= 110 \text{ lakhs.}$$

Therefore, the total profit earned on selling all the products of A in all year together.

$$= 110 \times 4.5$$

$$= 495$$

Therefore A is the correct choice.



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