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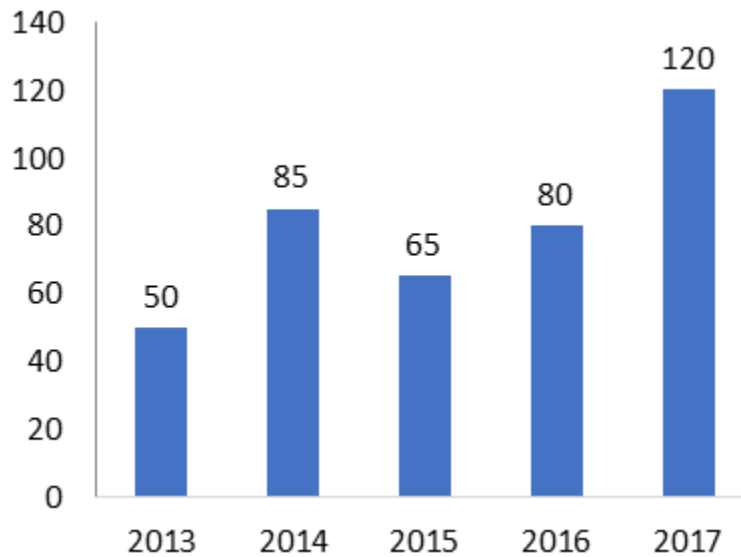
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Date Interpretation Mixed Chart Questions Quiz for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Mixed Chart Quiz 34

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

The following bar graph gives the information about sugarcane produced (in 00's ton) in Malagaon during the five consecutive years. The table given below gives the information about the ratio of sugarcane bought by government to that sold in open market.



Year	Sugarcane bought by government	Sugarcane sold in open market
2013	17	8
2014	2	3
2015	7	6
2016	3	2
2017	13	12

1. What is the ratio of sugarcane bought by government in the year 2016 to that sold in the open market in the year 2017?

- A. 24 : 31 B. 5 : 6 C. 2 : 3 D. 8 : 9 E. None of these

2. What is the total quantity (in ton) of sugarcane bought by government during the whole period?

- A. 213.4 B. 2134 C. 21440 D. 21340 E. None of these

3. The quantity of sugarcane sold in the open market during the whole period is what percentage of the total quantity of sugarcane produced during the whole period?

- A. 47.85% B. 42.35% C. 46.65% D. 44.45% E. None of these

4. If the government bought sugarcane for Rs. 250 per ton but that was sold in the open market for Rs. 275 per ton then in the year 2013 and 2014 together, how much less money was obtained from government than the total money obtained from open market in those years?

- A. Rs. 142500 B. Rs. 132500 C. Rs. 162500 D. Rs. 144500 E. None of these

5. What is the difference (in 00's tons) the total quantity of sugarcane bought by government in the years, 2013, 2014, and 2015 together to the total quantity of sugarcane sold in the open market in the year 2015, 2016, and 2017 together?

- A. 15.6 B. 17.6 C. 18.6 D. 20.6 E. 16.6

Correct Answers:

1	2	3	4	5
B	D	C	A	E

Explanations:

1.

Year	Sugarcane bought by government	Sugarcane sold in open market
2013	$(17/25) \times 50 = 34$	$(8/25) \times 50 = 16$
2014	$(2/5) \times 85 = 34$	$(3/5) \times 85 = 51$
2015	$(7/13) \times 65 = 35$	$(6/13) \times 65 = 30$
2016	$(3/5) \times 80 = 48$	$(2/5) \times 80 = 32$
2017	$(13/25) \times 120 = 62.4$	$(12/25) \times 120 = 57.6$
Total	213.4	186.6

The required ratio = $48 : 57.6 = 5 : 6$

Hence, option B is correct.

2. Required answer = 213.4×100 tones = 21340 tones

Hence, option D is correct.

3. The quantity of sugarcane sold in the open market during the whole period = 186.6 hundred ton
the total quantity of sugarcane produced during the whole period = $213.4 + 186.6 = 400$ hundred ton

The reqd. % = $\frac{186.6 \times 100}{400} = 46.65\%$

Hence, option C is correct.

4. The total quantity of sugarcane bought by government in the years 2013 and 2014 together = $34 + 34 = 68$ hundred ton = 6800 tons

The total amount received = $6800 \times 250 = 1700000$

the total quantity of sugarcane sold in the open market in the years 2013 and 2014 together = $16 + 51 = 6700$ tons

the total amount received = $6700 \times 275 = 1842500$

The required difference = $1842500 - 1700000 = 142500$

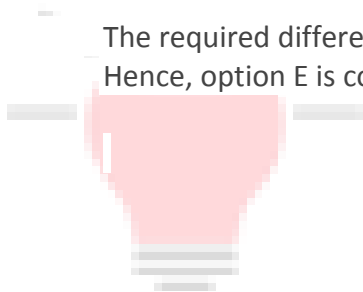
Hence, option A is correct.

5. The total quantity of sugarcane bought by government in the years, 2013, 2014, and 2015 together = $34 + 34 + 35 = 103$ hundred tons

the total quantity of sugarcane sold in the open market in the year 2015, 2016, and 2017 together = $30 + 32 + 57.6 = 119.6$ hundred tons

The required difference = $119.6 - 103 = 16.6$ hundred tons

Hence, option E is correct.



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