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Date Interpretation Table Chart Questions for Bank Clerk Mains and PO Pre Exams.

DI Table Chart Quiz 33

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

The table below shows the construction cost (in ? lakh) of Amabani's new bungalow

Year	2013	2014	2015	2016
Inspection	25.5	10.5	5.5	2.5
Land	250	–	–	–
Steel	–	80	55	40
Bricks	–	30	24	32
Other Building Material	–	35	25	27
Labour	3.5	12.5	20	16
Painting	–	–	–	35
Contingencies	1	7	6	2
Total	280	175	135.5	154.5

1. The total construction cost is required to be kept within Rs 720 lakh by cutting the construction cost equally in all the years. This average reduction will be what percent of the total cost in the year 2015?

- A. 2.6% B. 3.6% C. 4.6% D. 5.6% E. None of these

2. If few machines being used instead of labourers the labour cost gets reduced by 50%. Approximately, what percent of the total cost of 2016 is this reduced labour cost?

- A. 7% B. 17% C. 15% D. 19% E. None of these

3. According to the market scenario the cost of steel rises by 10% each year from 2014 onwards, what is the ratio between the total of previous price and the total of new price?

- A. 5 : 6 B. 10 : 11 C. 20 : 21 D. 7 : 6 E. None of these

4. If the cost of bricks is reduced by 5% each year from 2014 onwards, then new cost price of bricks is approximately what percent of the inspection price of all the years?

- A. 176% B. 156% C. None of these D. 186% E. 216%

5. The construction cost of a bungalow in 2013 is approximately what percent of the total construction cost of the bungalow from 2014 to 2016?

- A. 60% B. 49% C. 55% D. 39% E. 52%

Correct Answers:

1	2	3	4	5
C	B	B	D	A

Explanations:

1. Total expenditure for all the years = $280 + 175 + 135.5 + 154.5 = \text{Rs. } 745 \text{ lakh}$
 If it has to be kept within Rs 720 lakh, then construction has to be reduced by Rs 25 lakh.

So, the construction cost reduced each year = $\frac{25}{4} = \text{Rs } 6.25 \text{ lakh}$

Therefore, percentage reduction for 2015 = $\frac{6.25}{135.5} \times 100 = 4.6\%$

Hence, option C is correct.

2. Total Labour cost = $3.5 + 12.5 + 20 + 16 = 52$
 Cost of labour, getting reduced by 50% while using machines,
 $= \frac{52}{2} = 26$

According to the question,

The reqd. % = $\frac{26}{154.5} \times 100$
 $= 16.8\% = 17\%$

Hence, option B is correct.

3. Previous price of steel in all years together = $80 + 55 + 40 = \text{Rs } 175 \text{ lakh}$
 New price of the steel = $110\% \text{ of } 80 + 110\% \text{ of } 55 + 110\% \text{ of } 40 = 88 + 60.5 + 44 = \text{Rs } 192.5 \text{ lakh}$
 $\therefore \text{Ratio} = 175 : 192.5 = 10 : 11$

Hence, option B is correct.

4. The total bricks price of all years = $30 + 24 + 32 = \text{Rs } 86 \text{ lakh}$
 After the reduction of 5%, the cost price = $(100 - 5) \% \text{ of } 86 = 95\% \text{ of } 86 = \text{Rs } 81.7 \text{ lakh}$
 Inspection price of all years = $25.5 + 10.5 + 5.5 + 2.5 = 44$

According to the question,

$= \frac{81.7}{44} \times 100 = 185.68 \approx 186\%$

Hence, option D is correct.



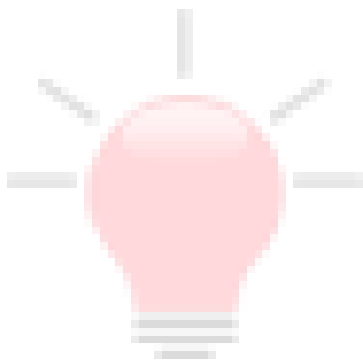
5. Construction cost of 2013 = Rs 280

Construction cost from 2014 to 2016 = 175 + 135.5 + 154.5 = Rs 465 lakhs

$$\therefore \text{Reqd. \%} = \frac{280}{465} \times 100$$

$$= 60.21\% \approx 60\%$$

Hence, option A is correct.



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