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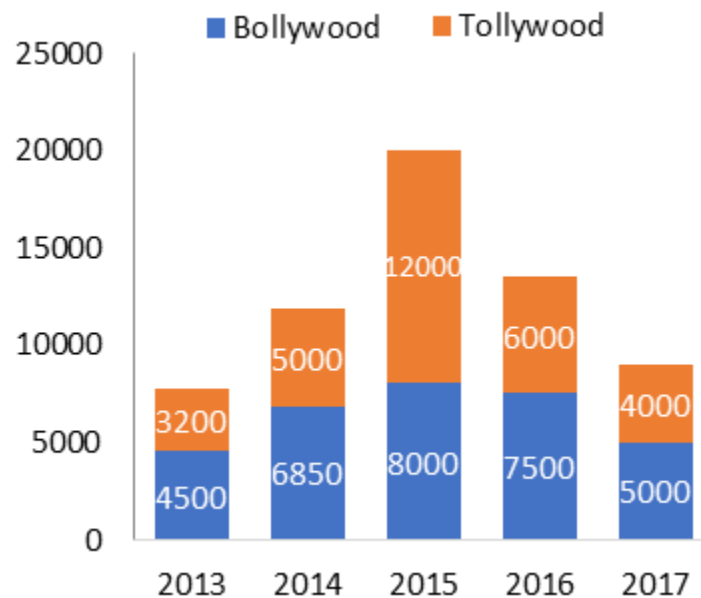
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Date Interpretation Mixed Chart Questions Quiz for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

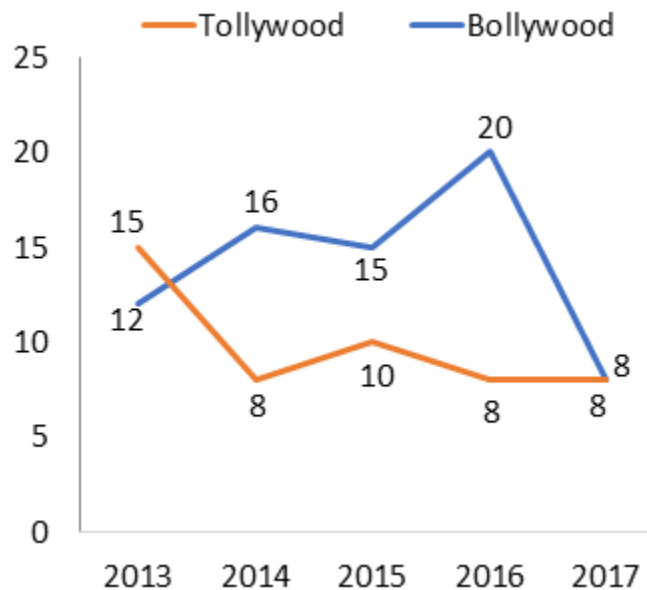
DI Mixed Chart Quiz 40

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

The stacked graph gives the information about the average revenue collection (in '000) per movie in five consecutive years.



The line graph given below gives the information about the number of movies released in the consecutive years.



1. The total revenues from Bollywood in the year 2015 was how much less than that in the year 2016 from Bollywood?

- A. Rs. 25000 thousand B. Rs. 30,000 thousand C. Rs. 35,000 thousand
D. Rs. 20,000 thousand E. None of these

2. What was the ratio between the total revenues in the year 2014 to that in the year 2016?

- A. 17 : 21 B. 17 : 21 C. 34 : 45 D. 34 : 33 E. None of these

3. The number of Bollywood movies released in the given five years was how many more than that of Tollywood movies released in the given five years?

- A. 24 B. 22 C. 18 D. 21 E. None of these

4. In the year 2017, the total revenues collection from Bollywood was what percentage of the total revenues collection of that year? (rounded off two decimal)

- A. 125% B. 44.44% C. 55.56% D. 66.67% E. None of these

5. What was the difference between the average revenue collection per movie in the year 2015 and that in the year 2017?

- A. Rs. 5500 thousand B. Rs. 5100 thousand C. Rs. 5200 thousand
D. Rs. 5400 thousand E. None of these

Correct Answers:

1	2	3	4	5
B	C	B	C	B

Explanations:

1. In the year 2015, the total revenues from Bollywood = $15 \times 8000 = 120,000$ thousand

In the year 2016, the total revenues from Bollywood = $20 \times 7500 = 150,000$ thousand

The required difference = $150,000 - 120,000 = 30,000$ thousand

Hence, option B is correct.

2. The total revenues in the year 2014, $6850 \times 16 + 5000 \times 8 = 109600 + 40000 = 149600$ thousand

The total revenues in 2016 = $7500 \times 20 + 6000 \times 8 = 150000 + 48000 = 198000$ thousand

The required ratio = $149600 : 19800 = 34 : 45$

Hence, option C is correct.

3. The number of Bollywood movies released in the given five years = $12 + 15 + 16 + 20 + 8 = 71$

The number of Tollywood movies released in the given five years = $15 + 8 + 10 + 8 + 8 = 49$

The required difference = $71 - 49 = 22$

Hence, option B is correct.

4. In the year 2017, the total revenues collection = $5000 \times 8 + 4000 \times 8 = 9000 \times 8$

The total revenues collection from Bollywood = 5000×8

The reqd. % = $\frac{5000 \times 8 \times 100}{9000 \times 8} = \frac{500}{9} = 55.56\%$

Hence, option C is correct.

5. The total revenue collection in the year 2015, = Rs. $(8000 \times 15 + 12000 \times 10) = \text{Rs. } (120,000 + 120,000)$
= Rs. 240,000

The reqd. average = $\frac{240,000}{25} = 9600$ thousand

The total revenues collection in the year 2017 = Rs. $(5000 \times 8 + 4000 \times 8) = \text{Rs. } 9000 \times 8$

The reqd. average = $\frac{9000 \times 8}{16} = 4500$ thousand

The required difference = Rs. $(9600 - 4500) = \text{Rs. } 5100$ thousand

Hence, option B is correct.



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