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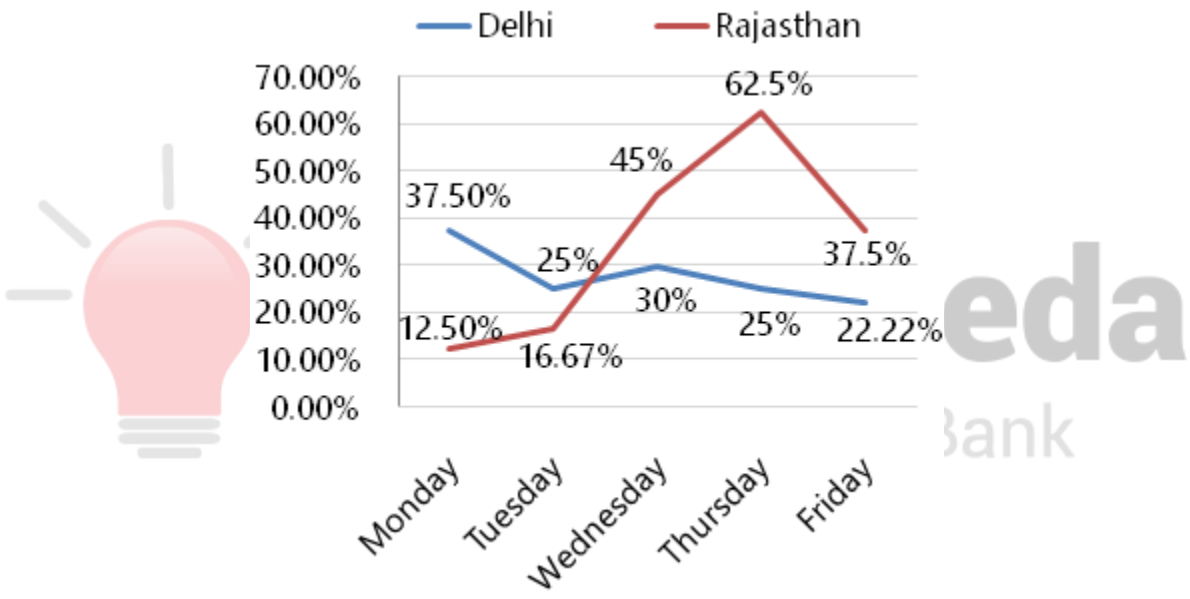
DI Line Chart Questions for SBI Clerk Mains, IBPS Clerk Mains, RBI Assistant Mains, LIC AAO, SBI PO Pre and IBPS PO Pre Exams.

DI Line Chart No 35

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

In Delhi, UP and Rajasthan together there were 80 COVID-19 cases on Monday. On Tuesday cases increased by 80% as compared to Monday. On Wednesday, Thursday and Friday the number of cases of COVID-19, increased by 150%, 220% and 350% as compared to the respective previous day.

The chart given below shows the cases on each day in Delhi and Rajasthan as a percentage of total cases that day in Delhi, UP and Rajasthan together.



1. What is the increase in the number of COVID -19 cases in Delhi and Rajasthan together from Monday to Wednesday?

A. 250 B. 230 C. 225 D. 180 E. 245

2. The number of cases in UP on Thursday is what percent of the number of cases in Delhi on Friday?

A. 9.33% B. 16.67% C. 15% D. 12.5% E. 8.25%

3. What is the difference between the number of cases in Delhi and Rajasthan on Friday?

A. 724 B. 792 C. 1080 D. 856 E. 742

4. What is the ratio of the increase in the number of COVID-19 cases from Tuesday to Thursday in UP to that in Delhi?

A. 5 : 21 B. 7 : 20 C. 11 : 25 D. 5 : 18 E. None of these

5. The percentage increase in UP from Wednesday to Thursday is what percent of the percentage increase in Delhi from Tuesday to Wednesday?

A. 50% B.25% C. 45% D. 37.5% E. 30%

Correct Answers:

1	2	3	4	5
B	D	B	A	E

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Common Explanation:

Number of cases on Monday = 80

On Wednesday = 80 × 1.8 = 144

Similarly, calculating for each day we get:

Day	Cases
Monday	80
Tuesday	144
Wednesday	360
Thursday	1152
Friday	5184

On Monday,

Cases in Delhi = 37.5% = $\frac{3}{8} \times 80 = 30$

Cases in Rajasthan = 12.5% = $\frac{80}{8} = 10$

Cases in UP = 80 – 30 – 10 = 40

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Similarly, calculating for each state we get:

	Monday	Tuesday	Wednesday	Thursday	Friday
Delhi	30	36	108	288	1152
Rajasthan	10	24	162	720	1944
UP	40	84	90	144	2088
Total	80	144	360	1152	5184

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Answers :

1. From common explanation, we have

Total cases in Delhi and Rajasthan on Monday = 30 +10 = 40

Total cases in Delhi and Rajasthan on Wednesday = 108 + 162 = 270

Increase = 270 – 40 = 230

Hence, option B is correct.

2. From common explanation, we have

Number of cases in UP on Thursday = 144

Number of cases in Delhi on Friday = 1152

Reqd. % = $\frac{144}{1152} \times 100 = 12.5\%$

Hence, option D is correct.

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3. From common explanation, we have

Required difference = 1944 – 1152 = 792

Hence, option B is correct.

4. From common explanation, we have

From Tuesday to Thursday,

Increase in Delhi = 288 – 36 = 252

Increase in UP = 144 – 84 = 60

Required Ratio = 60 : 252 = 5 : 21

Hence, option A is correct.

5. From common explanation, we have

Percentage increase in UP from Wednesday to Thursday

$= \frac{144 - 90}{90} \times 100 = 60\%$

Percentage increase in Delhi from Tuesday to Wednesday

$= \frac{108 - 36}{36} \times 100 = 200\%$

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

Hence, option E is correct.

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