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# Data Interpretation Questions for IBPS PO Pre, IBPS Clerk, LIC AAO, RBI Assistant, RRB Scale I Pre, SBI PO Pre and SBI Clerk Exams

## DI Table Chart No. 100

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

In table shows schedule of trains Howrah Delhi Kalka Mail and number of passengers boarding at each station.

Station	Arrival time	Departure time	Distance from origin ( in km)	Halt Time (in minutes)	Number of Passengers boarding at each station
Howrah jn	Starting	7:30 pm	--	--	500
Asansol jn	10:25 pm	10:30 pm	195	5 min	220
Gaya jn	2:50 am	3:00 am	454	10 min	80
Mughal Sarai jn	6:25 am	6:40 am	752	15 min	330
Allahabad jn	9:20 am	9:30 am	1020	10 min	160
Delhi	11:50 am	Terminates	1208	--	--

**1. If the average speed of Howrah Kalka Mail increases by 20% then when will it reach to Delhi?**

- A. 9:07 am                      B. 9:10 am                      C. 9:20 am  
D. 9:30 am                      E. 9:02 am

**2. If out of 500 passengers who boarded the Howrah Delhi Kalka Mail from Howrah, 230 passengers got down at Asansol jn. Then find the ratio between the number of passengers who travelled between Asansol jn to Gaya jn and the number of passengers who boarded the Howrah Delhi Kalka Mail from Mughal Sarai jn.**

- A. 32 / 16                      B. 16 / 23                      C. 33 / 49  
D. 49 / 33                      E. None of these

**3. How much time does the train Howrah Delhi Kalka Mail takes to reach Delhi after departing from Gaya jn?**

- A. 8:25 hr                      B. 8:30 hr                      C. 8:35 hr  
D. 8:45 hr                      E. 8:50 hr

**4. What is the approximate average speed of train between Asansol jn to Mughal Sarai jn?**

- A. 71.87 kmph                      B. 75.50 kmph                      C. 69.73 kmph  
D. 59.56 kmph                      E. None of these

**5. Distance Between which two station is third lowest?**

- A. Howrah jn to Asansol jn                      B. Asansol jn to Gaya jn  
C. Gaya jn to Mughal Sarai jn                      D. Mughal Sarai jn to Allahabad jn  
E. Allahabad jn to Delhi jn



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**Correct answer:**

1	2	3	4	5
A	D	A	A	B

**Explanation:**

1. Total distance cover by Howrah Kalka Mail = 1208 km

Total time taken by Howrah Kalka Mail from Howrah to Delhi = 11:50am – 7:30pm = 16:20 hr = 980 min

The average speed of Howrah Kalka Mail = (Total distance cover by whole journey) / (total time)

$$= \frac{1208}{980} \times 60 = 73.96 \text{ kmph}$$

If the average speed of Howrah Kalka Mail increases by 20% then its new speed

$$= 73.96 \times \frac{120}{100} = 88.75 \text{ kmph}$$

Time taken by Howrah Kalka Mail during the journey

$$= \frac{1208}{88.75} \times 60 = 817 \text{ min}$$

$$= 13 \text{ hr } 37 \text{ min}$$

The time when the Howrah Kalka Mail will reach to Delhi = 7:30pm + 13:37 hr = 9:07am

Hence, option (A) is correct.

2. Total passengers travelling from Howrah jn to Asansol jn = 500

Total passengers got down at Asansol jn = 230

Total passengers travelling from Asansol jn to Gaya jn =  $500 - 230 + 220 = 490$

The number of passengers who boarded the Howrah Delhi Kalka Mail from Mughal Sarai jn = 330

Hence, required ratio =  $\frac{490}{330} = \frac{49}{33}$

Therefore, option (D) is correct.

3. Howrah Delhi Kalka Mail departs from Gaya jn at 3:00am

Howrah Delhi Kalka Mail arrives at Mughal Sarai jn at 6:25am

Difference =  $6:25 - 3:00 = 3:25$  hr

Howrah Delhi Kalka Mail departs from Mughal Sarai jn at 6:40am

Howrah Delhi Kalka Mail arrives at Allahabad jn at 9:20am

Difference =  $9:20 - 6:40 = 2:40$  hr

Howrah Delhi Kalka Mail departs from Allahabad jn at 9:30am

Howrah Delhi Kalka Mail arrives at Delhi jn at 11:50am

Difference =  $11:50 - 9:30 = 2:20$  hr

Total difference =  $3:25 + 2:40 + 2:20 = 8:25$  hr

Hence, Howrah Delhi Kalka Mail takes 8:25 hr to reach Delhi after departing from Gaya jn.

Therefore, option (A) is correct.

4. Distance between Asansol jn to Gaya jn =  $454 - 195 = 259$  km

Distance between Gaya jn to Mughal Sarai jn =  $752 - 454 = 298$  km

**Total distance between Asansol jn to Mughal Sarai jn**

= (Distance between Asansol jn to Gaya jn) + (Distance between Gaya jn to Mughal Sarai jn)

=  $259 + 298 = 557$  km

Duration between Asansol jn to Gaya jn = 2:50 am – 10:30 pm = 4:20 hr

Duration between Gaya jn to Mughal Sarai jn = 6:25am – 3:00am = 3:25hr

**Total duration between Asansol jn to Mughal Sarai jn**

= (Duration between Asansol jn to Gaya jn) + (Duration between Gaya jn to Mughal Sarai jn)

=  $4:20 + 3:25 = 7:45$  hr = 465 min

Hence, required average speed =

$$\frac{557}{465} \times 60 = 71.87 \text{ kmph}$$

Therefore, option (A) is correct.

5. Distance between Howrah jn to Asansol jn = 195 km

Distance between Asansol jn to Gaya jn =  $454 - 195 = 259$  km

Distance between Gaya jn to Mughal Sarai jn =  $752 - 454 = 298$  km

Distance between Mughal Sarai jn to Allahabad jn =  $1020 - 752 = 268$  km

Distance between Allahabad jn to Delhi jn =  $1208 - 1020 = 188$  km

Hence distance between third lowest station is Asansol jn to Gaya jn = 259 km

Hence, option (B) is correct.

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