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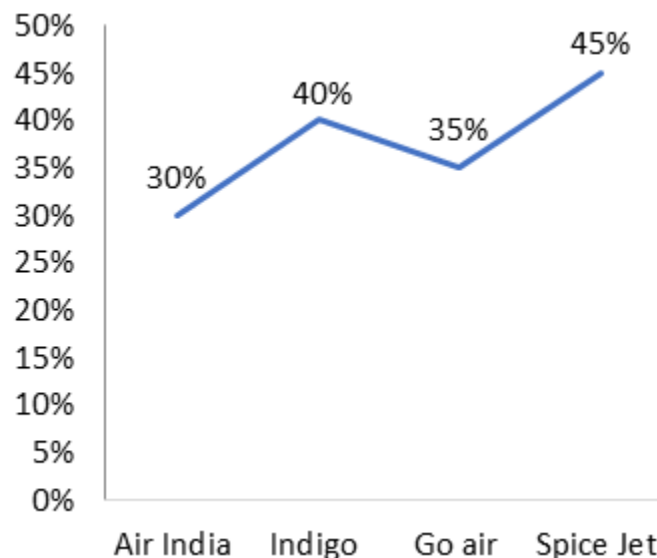
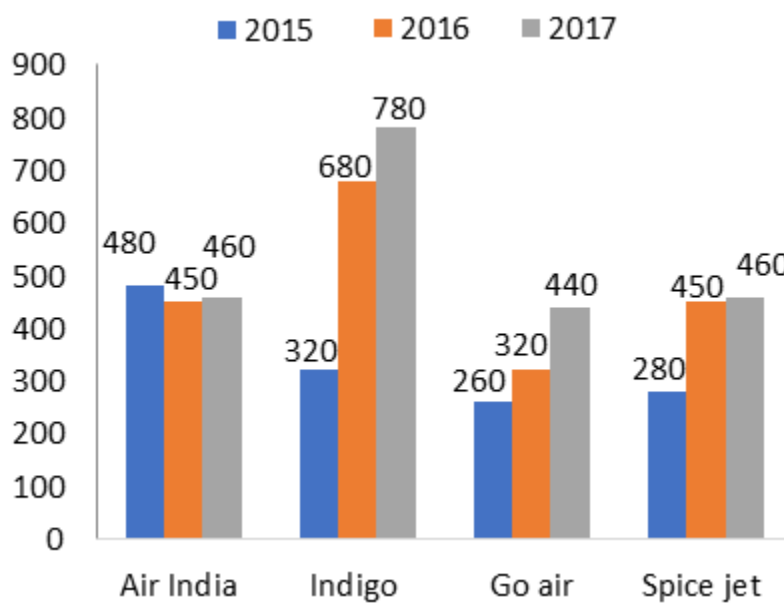
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Date Interpretation Mixed Chart Questions Quiz for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Mixed Chart Quiz 36

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

The bar chart given below gives the information about the number of passengers (in hundred) travelled in four airlines, Air India, Indigo, Go Air and Spice Jet during three consecutive years. The line graph given below gives the information about the number of female travellers over the total number of travellers of the respective airline during the year 2017.



1. What was the ratio of the total number of female passengers travelled in Air India and Spice Jet together in the year 2017 to that in Indigo and Go air together in that year?

- A. 345 : 466 B. 172 : 233 C. 173 : 133 D. 346 : 465 E. None of these

2. During the year 2017, in Air India, the number of female passengers was increased by 20% over the previous year and in the year 2016, the ratio of the number of female passengers travelled in Air India to that in Indigo was 2: 3, then during the year 2016 total how many female passengers had travelled in Air India and Indigo together?

- A. 27750 B. 26750 C. 28750 D. 32450 E. None of these

3. The total number of passengers travelled in all the given airlines together in the year 2015 was how much less than that in the year 2017?

- A. 75000 B. 12500 C. 60000 D. 80000 E. None of these

4. What was the ratio of the total number of passengers travelled in Indigo to that in Air India during the given three years together?

- A. 177 : 139 B. 178 : 138 C. 178 : 141 D. 178 : 139 E. None of these

5. During the year 2017, Out of total number of female passengers 75% were less than 60 years, then during that year, total how many female passengers were above 60 years?

- A. 21275 B. 22475 C. 28625 D. 20225 E. 20275

Correct Answers:

1	2	3	4	5
A	C	D	D	E

Explanations:

1. The Number of female passengers travelled in Air India = 30% of 460 = 138
In Indigo, 40% of 780 = 312
In Go air, 35% of 440 = 154
In Spice Jet, 45% of 460 = 207
The required ratio = (138 + 207) : (312 + 154) = 345 : 466
Hence, option A is correct.

2. In the year 2017, The Number of female passengers travelled in Air India = 30% of 460 = 138 hundred

Let in 2016, x number of female passengers had travelled then 120% of x = 138

$$x = \frac{138 \times 5}{6} = 115 \text{ hundred}$$

The ratio of the number of female passengers travelled in Air India to that in Indigo was 2 : 3 then during the year 2016

Let the total number of female passengers travelled in Air India = 2a then 2a = 115 hundred

$$a = \frac{115}{2} = 57.5 \text{ hundred}$$

The sum of female passengers had travelled in Air India and Indigo together = 2a + 3a = 5a = 5 × 57.5 = 287.5 hundred = 28750

Hence, option C is correct.

3. The total number of passengers travelled in all the given airlines together in the year 2015 = 480 + 320 + 260 + 280 = 1340 hundred

The total number of passengers travelled in all the given airlines together in the year 2017 = 460 + 780 + 440 + 460 = 2140 hundred

The required difference = 2140 – 1340 = 800 hundred

Hence, option D is correct.

4. The total number of passengers travelled in Indigo = 320 + 680 + 780 = 1780 hundred
The total number of passengers travelled in Air India = 480 + 450 + 460 = 1390 hundred
the required ratio = 1780 : 1390 = 178 : 139
Hence, option D is correct.

5. The total number of female passengers in the year 2017,
The Number of female passengers travelled in Air India = 30% of 460 = 138 hundred
In Indigo, 40% of 780 = 312 hundred
In Go air, 35% of 440 = 154 hundred
In Spice Jet, 45% of 460 = 207 hundred
The sum = 138 + 312 + 154 + 207 = 81100
The number of female passengers who was above 60 = (100 – 75)% of 81100 = 25% of 81100 = 20275
Hence, option E is correct.



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