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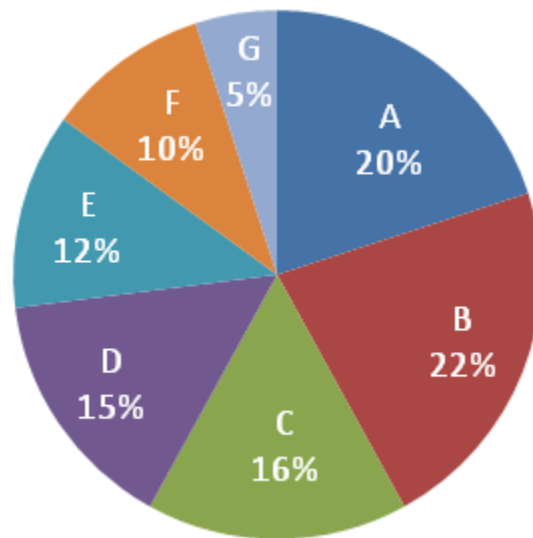
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Date Interpretation Pie Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Pie Chart Quiz 39

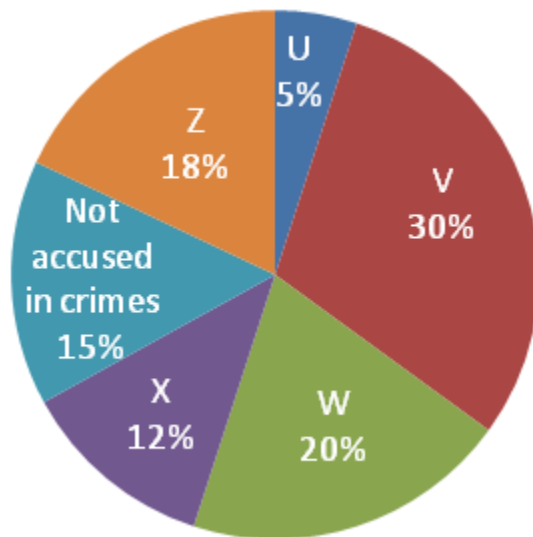
Directions: Study the following pie chart carefully & answer the questions given below it.

Percentage of politicians of various political parties in a country



Total politicians = 2500

Percentage of politicians accused of various crimes in a country



Total politicians = 2500

Questions :

1. If 10% of party E, 20% of party A and 12% of party B politicians are not accused of crimes then what is the average number of politicians of these parties who are accused of criminal offences? (Calculate approximate value)

- A. 362 B. 378 C. 315 D. 385 E. 316

2. What is the ratio of the number of politicians who are accused of crime U to the number of politicians who belong to party A?

- A. 2 : 3 B. 1 : 4 C. 4 : 1 D. 3 : 2 E. 5 : 6

3. If 20% politicians of party D left the party, and out of these 60% are not accused of crimes, then the number of politicians who left party D who are not accused of any crime is what per cent of the total number of politicians who are not accused of crimes?

- A. 14% B. 18% C. 16% D. 22% E. 12%

4. If 50% politicians of party A and 40% of party B are accused of crime W then what is their ratio?

- A. 25 : 22 B. 21 : 19 C. 22 : 37 D. 23 : 47 E. 17 : 11

5. The percentage of politicians who are accused of crime Z are same (20%) in all parties. What is the difference between the number of politicians of party B and party A who are accused of crime Z?

- A. 12 B. 18 C. 10 D. 16 E. 15

Correct Answers:

1	2	3	4	5
D	B	E	A	C

Explanations :

1. Number of politicians of **party E** accused of crimes = $(100 - 10)\%$ of 12% of 2500
= 90% of 12% of 2500 = 270

Similarly,

In party A = $(100 - 20)\%$ of 20% of 2500

= 80% of 20% of 2500 = 400

In party B = $(100 - 12)\%$ of 22% of 2500

= 88% of 22% of 2500 = 484

Therefore, average no. of politicians who are accused of crimes in these parties

$$= \frac{270 + 400 + 484}{3} = \frac{1154}{3} = 384.66 \approx 385$$

Hence, option D is correct.

2. As per the given information, we get

Required ratio = 5% of total politicians : 20% of total politicians

= $5 : 20 = 1 : 4$

Hence, option B is correct.

3. Total number of politicians who left the party D = 15% of 20% of 2500 = 75

Now, politicians who left the party D and are not accused of crimes = 60% of 75 = 45

Total number of politicians of all parties who are not accused of crimes = 15% of 2500 = 375

$$\text{Reqd. \%} = \frac{45 \times 100}{375} = 12\%$$

Hence, option E is correct.

4. Total number of politicians of party A who are accused in crime W = 50% of 20% of 2500 = 250

And, the total number of politicians of party B who are accused in crime W = 40% of 22% of 2500 = 220

Therefore, Reqd. ratio = 250 : 220 = 25 : 22

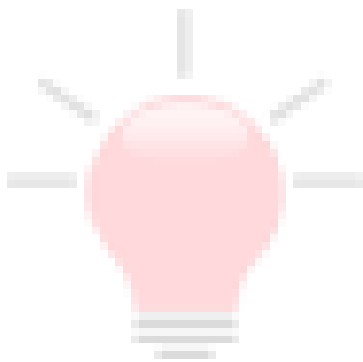
Hence, option A is correct.

5. Total number of politicians of party A accused of crime Z = 20% of 20% of 2500 = 100

And, the total number of politicians of party B accused of crime Z = 22% of 20% of 2500 = 110

∴ Reqd. difference = 110 – 100 = 10

Hence, option C is correct.



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