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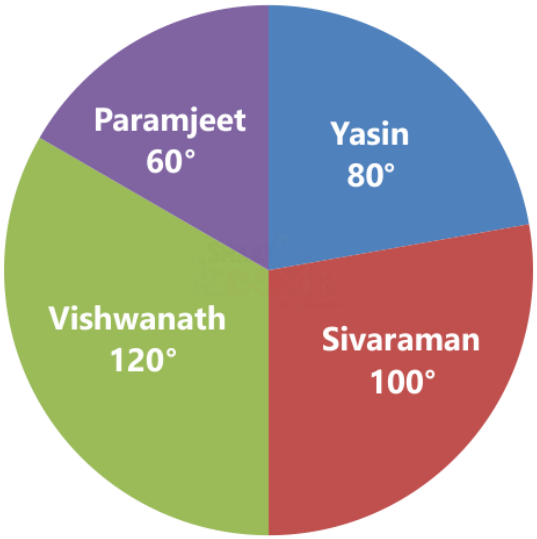
Date Interpretation Pie Chart Questions for Bank and SSC Exams.

DI Pie Chart Quiz 3

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

The pie chart, given here represents the number of valid votes obtained by four students who contested election for school leadership. The total number of valid votes polled was 720.



1. What was the minimum number of votes obtained by any candidates?

A. 100 B. 110 C. 120 D. 130 E. None of these

2. Who was the winner?

A. Sivaraman B. Paramjeet C. Yasin D. Vishwanath E. None of these

3. By how many votes did the winner defeat his nearest rival?

A. 40 B. 45 C. 48 D. 50 E. None of these

4. What is the ratio between the minimum votes gainer and the maximum vote gainer?

A. 1/3 B. 1/2 C. 2/3 D. 2/5 E. None of these

5. No. of votes by which Yasin is lagging behind of Vishwanath.

A. 150 B. 175 C. 80 D. 187 E. None of these

Correct Answers:

1	2	3	4	5
C	D	A	B	C

Explanations:

1. Total votes polled = 720

Minimum degree value = 60° (of Paramjeet)

$\therefore$ Votes obtained by Paramjeet $= \frac{60°}{360°} \times 720 = 120.$

Hence, option C is correct.

2. We can clearly see from the chart that it's Vishwanath who is the winner.

Hence, option D is correct.

3. Vishwanath defeated Sivaraman by

$= \frac{120° - 100°}{360°} \times 720$

$= \frac{20°}{360°} \times 720 = 40.$

Hence, option A is correct.

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4. Minimum votes were obtained by Paramjeet i.e. 60°

Maximum votes were obtained by Vishwanath i.e. 120°

Ratio $= \frac{60°}{120°} = \frac{1}{2}.$

Hence, option B is correct.

5. The no. of votes Yasin lagging behind by Vishwanath

$= \frac{(120° - 80°)}{360°} \times 720$

$= \frac{40°}{360°} \times 720 = 80.$

Hence, option C is correct.

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