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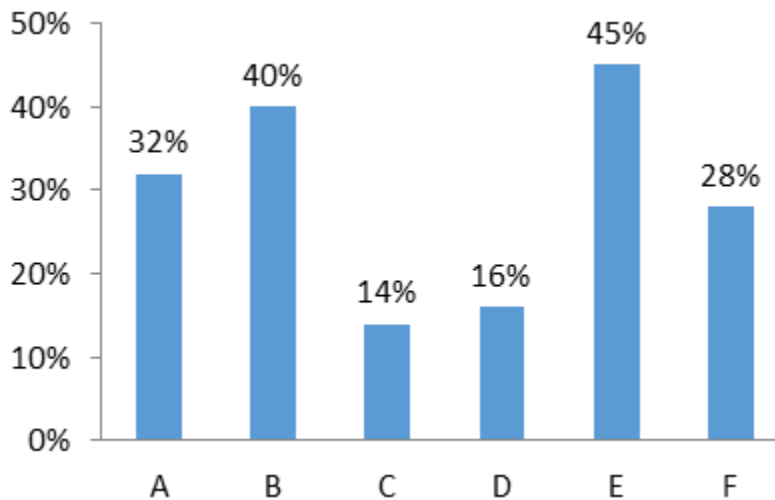
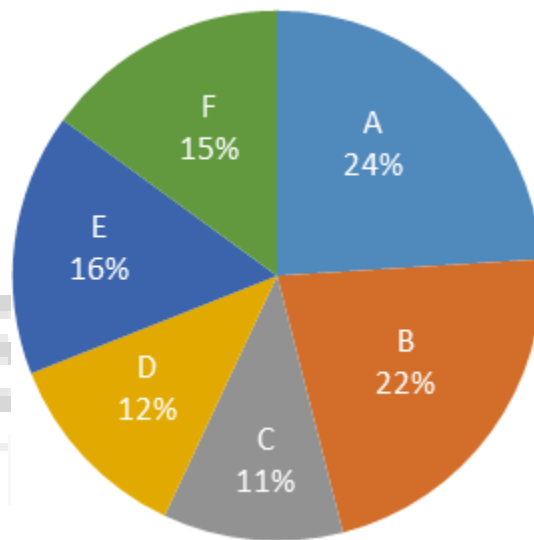
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Date Interpretation Mixed Chart Questions Quiz for IBPS PO Pre, SBI PO Pre, IBPS SO Pre, IBPS Clerk Mains, SBI Clerk Mains and RRB Scale I Pre Exams.

Data Interpretation Mixed Chart Quiz 24

Direction: Study the following pie chart and bar chart carefully and answer the questions based on it.

The following pie-chart shows the percentage of Votes casted in an election among six different candidates in a state in the year 2017. Also the bar graph shows the percentage of Invalid votes casted in the election in the year 2017.



1. If in 2017, total number of Invalid votes for Candidate F was 6048, then how many valid votes casted in the election for Candidate B?

- A. 32850 B. 24156 C. 24210 D. 19008 E. None of these

2. If the Valid votes casted for Candidate A in 2017 were 5508. What was the total number of votes casted for all Candidates together?

- A. 33750 B. 29700 C. 27900 D. 30600 E. None of these

3. If in the year 2018, there will be an increase of 15% and 24% in the number of votes casted for Candidates A and F respectively and the total number of votes casted for Candidate C in the year 2017 was 2970. What would be the total number of votes casted for Candidates A and F in 2018?

- A. 76950 B. 10551 C. 12733 D. 15742 E. None of these

4. If in 2017, the total number of votes casted in the election for the Candidate E was 31500. What was the total number of valid votes casted for Candidate D who participated in the election?

- A. 19845 B. 27745 C. 24145 D. 32445 E. None of these

5. If total number of votes casted for Candidate D in 2017 is 43200, then what is the ratio of the number of Invalid votes casted for Candidate C to that of valid votes casted for Candidate F?

- A. 54 : 19 B. 14 : 45 C. 77 : 540 D. 7 : 38 E. None of these

Correct Answers:

1	2	3	4	5
D	A	E	A	C

Explanations:

1. Let total number of votes be '100x'.

Total number of votes casted for F = 15% of 100x = 15x

Total number of invalid votes casted for F = 28% of 15x = 4.2x = 6048 (Given)

$$\Rightarrow x = 1440$$

Total number of valid votes casted in the election for Candidate B = (100 – 40)% of 22% of 100x = 13.2x
= 13.2 × 1440 = 19008

Hence, option (D) is correct.

2. Let total number of votes be '100x'.

Total number of votes casted for A = 24% of 100x = 24x

Total number of valid votes casted for A = (100 – 32)% of 24x = 16.32x = 5508 (Given)

$$\Rightarrow x = 337.5$$

Total number of votes casted for all Candidates together = 100x = 100 × 337.5 = 33750

Hence, option (A) is correct.

3.

Votes casted for A in 2017 = $2970 \times \frac{24}{11} = 6480$

Votes casted for F in 2017 = $2970 \times \frac{15}{11} = 4050$

Total number of votes casted for A and F together in 2018 = 115% of 6480 + 124% of 4050 = 12474

Hence, option (E) is correct.

4.

Total no. of votes casted in the election = $31500 \times \frac{100}{16} = 196875$

Total number of valid votes casted for Candidate D = (100 – 16) % of 12% of 196875 = 19845

Hence, option (A) is correct.

5. Total number of votes casted in the election

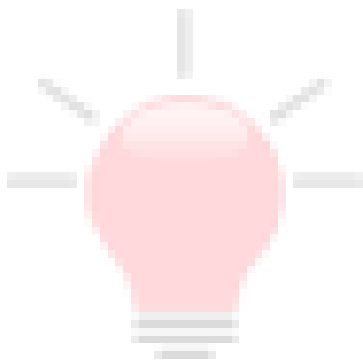
$$= 43200 \times \frac{100}{12} = 360000$$

Number of Invalid votes casted for Candidate C = 14% of 11% of 360000 = 5544

Number of valid votes casted for Candidate F = (100 – 28) % of 15% of 360000 = 38880

Required ratio = 5544 : 38880 = 77 : 540

Hence, option (C) is correct.



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