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DI table Chart Questions for SBI Clerk Pre, IBPS Clerk Pre, LIC Assistant and IBPS RRB Exams.

DI Table Chart No. 112

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

The table given below shows the percentage of appeared and qualified candidates in a competitive examination from different institutes.

Institutes	Appeared Candidates = 24000	Qualified Candidates = 4000
	Percentage of appeared candidates	Percentage of qualified candidates
A	25%	18%
B	10%	12%
C	15%	18%
D	12%	16%
E	18%	20%
F	20%	16%

- What is the ratio of the qualified candidates from institutes D, E and F together to the appeared candidates from institutes A, B and C together?
A. 11 : 17 B. 12 : 67 C. 19 : 75 D. 17 : 74 E. 13 : 75
- What percentage of the candidates from institute C has been declared qualified out of the total candidates appeared from this institute?
A. 30% B. 25% C. 40% D. 20% E. 35%
- What is the percentage of students who qualified from the institute C and D together with respect to those who appeared from the institute C and D together?
A. 24.98% B. 30.98% C. 20.98% D. 31.98% E. 25.98%
- Which institute has the highest percentage of candidates qualified with respect to those appeared?
A. A B. D C. C D. E E. B
- What is the ratio of qualified candidates from institute B to the appeared candidates from institute F?
A. 1 : 10 B. 2 : 11 C. 3 : 14 D. 4 : 17 E. 5 : 19

Correct Answers:

1	2	3	4	5
E	D	C	B	A



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Explanations :

1. Qualified candidates from D, E and F = $(16 + 20 + 16) \% \times 4000$

Appeared candidates from A, B and C = $(25 + 10 + 15) \% \times 24000$

$$\text{Reqd. ratio} = \frac{52 \times 4}{50 \times 24} = 13 : 75$$

Hence, option E is correct.

2. Qualified candidates from institute C = $18\% \times 4000$

Appeared candidates from institute C = $15\% \times 24000$

$$\text{Reqd. \%} = \frac{18 \times 4 \times 100}{15 \times 24} = 20\%$$

Hence, option D is correct.

3. Qualified candidates from C and D together = $\{18 + 16\} \% \times 4000$

Appeared candidates from C and D together = $\{15 + 12\} \% \times 24000$

$$\text{Reqd. \%} = \frac{34 \times 4 \times 100}{27 \times 24} = 20.98\%$$

Hence, option C is correct.

4. Percentage of candidates qualified with respect to those appeared

$$A = \frac{18 \times 4}{24 \times 25}$$

$$B = \frac{12 \times 4}{10 \times 24}$$

$$C = \frac{18 \times 4}{15 \times 24}$$

$$D = \frac{16 \times 4}{12 \times 24}$$

$$E = \frac{20 \times 4}{18 \times 24}$$

$$F = \frac{16 \times 4}{20 \times 24}$$

In these values $4/24$ can be discarded because it is common in comparison.

So,

$$A = \frac{18}{25}$$

$$B = \frac{12}{10}$$

$$C = \frac{18}{15}$$

$$D = \frac{16}{12}$$

$$E = \frac{20}{18}$$

$$F = \frac{16}{20}$$



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Here, A and F are less than 1, so they are removed without solving.

$B = 1.2$, $C = 1.2$, $D = 1.33$, $E = 1.1$

D has the highest percentage of qualified candidates with respect to those appeared.

Hence, option B is correct.

5. Qualified candidates from institute B = $12\% \times 4000$

Appeared candidates from institute from institute F = $20\% \times 24000$

$$\text{Reqd. ratio} = \frac{12\% \times 4000}{20\% \times 24000} = 1 : 10$$

Hence, option A is correct.



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