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 tab le 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%

1. **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

2. **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%

3. **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%

4. **Which institute has the highest percentage of candidates qualified with respect to those appeared?**

A. A　　　　B. D　　　　C. C　　　　D. E　　　　E. B

5. **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

Explanations :

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

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

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

Hence, option E is correct.

2.   Qualified candidates from institute C = 18% × 4000

Appeared candidates from institute C = 15% × 24000

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

Hence, option D is correct.

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

Appeared candidates from C and D together = {15 + 12} % × 24000

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

Hence, option C is correct.

4.   Percentage of candidates qualified with respect to those appeared

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

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

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

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

$$E = \frac{20 \times 4}{18 \times 24}$$
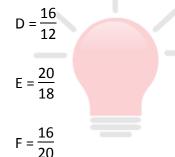
$$F = \frac{16 \times 4}{20 \times 24}$$

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

So,

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

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

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

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

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

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

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% × 4000

Appeared candidates from institute from institute F = 20% × 24000

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

Hence, option A is correct.