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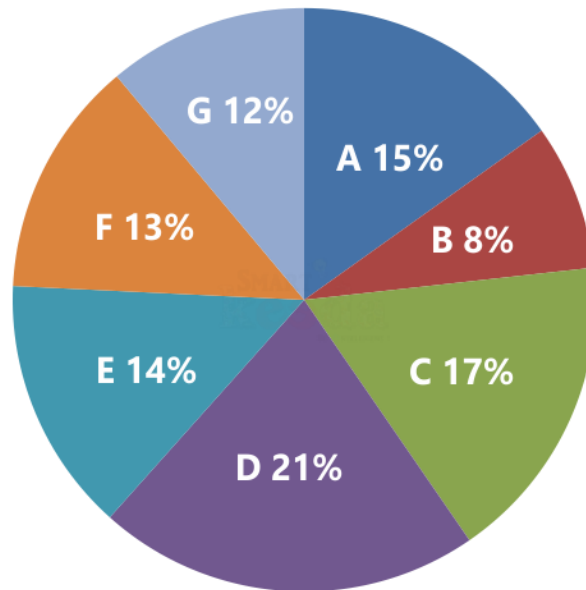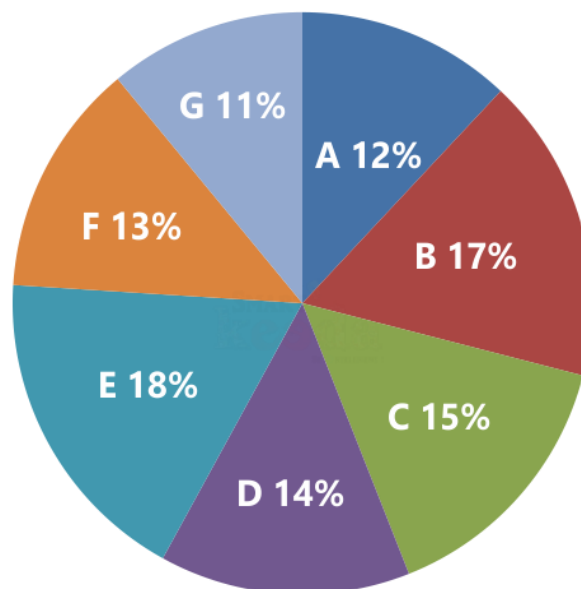# Date Interpretation Pie Chart Questions for Bank PO Exams.

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

Percentage-wise distribution of students studying in Arts and Commerce in seven different institutions – A, B, C, D, E, F and G

Total number of students in Arts = 3800

- G 12%
- A 15%
- F 13%
- B 8%
- E 14%
- C 17%
- D 21%

Total number of students in Commerce = 4200

- G 11%
- A 12%
- F 13%
- B 17%
- E 18%
- C 15%
- D 14%

1. What is the total number of students studying Arts in Institutes A and G together?

A. 1026   B. 1126   C. 1226   D. 1206   E. 1306

2. How many students from Institute B study Arts and Commerce?

A. 1180   B. 1108   C. 1018   D. 1208   E. 1408

3. The ratio of the number of students studying Arts to that studying commerce in Institute E is.
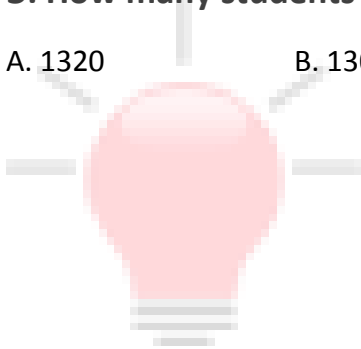
A. 27 : 17   B. 19 : 27   C. 19 : 16   D. 19 : 28   E. None of these

4. The ratio of the number of students studying Arts in Institute E to those studying commerce in Institute D is

A. 12 : 17   B. 12 : 7   C. 19 : 21   D. 17 : 19   E. None of these

5. How many students in institutes B and D together study commerce?

A. 1320   B. 1302   C. 1202   D. 1220   E. None of these

Correct Answers:

1	2	3	4	5
A	C	B	C	B

Explanations:

1. Total number of students studying Arts in Institutes A and G together = 15% + 12% = 27% of 3800

$= \dfrac{27}{100} \times 3800 = 27 \times 38 = 1026.$

Hence, option A is correct.

2. Number of students studying in Art Institute B = 8% of 3800

$= 3800 \times \dfrac{8}{100} = 304$

Number of students studying in Commerce in Institute B = 17% of 4200

$= 4200 \times \dfrac{17}{100} = 714$

∴ Total number of students = 304 + 714 = 1018.

Hence, option C is correct.

3. Number of students studying Arts in Institute E = 14% of 3800

$= 3800 \times \dfrac{14}{100} = 532$

Number of students studying Commerce in Institute E = 18% of 4200

$= 4200 \times \dfrac{18}{100} = 756$

∴ Required ratio = 532 : 756 = 19 : 27.

Hence, option B is correct.

4. Number of students studying in Institute E = 532

Number of students studying Commerce in Institute D = 14% of 4200

$= 4200 \times \dfrac{14}{100} = 588$

∴ Required ratio $= \dfrac{532}{588} = 19 : 21.$

Hence, option C is correct.

5. Total number of students studying commerce in Institute B and D together = 17% + 14% = 31% of 4200

$= 4200 \times \dfrac{31}{100} = 1302.$

Hence, option B is correct.