SmartKeeda
The Question Bank

Presents

TestZone

India's least priced Test Series platform

JOIN

12 Month Plan
2017-18 All Test Series

@ Just

₹399/-
300+ Full Length Tests

- ☑ **Brilliant Test Analysis**
- ☑ **Excellent Content**
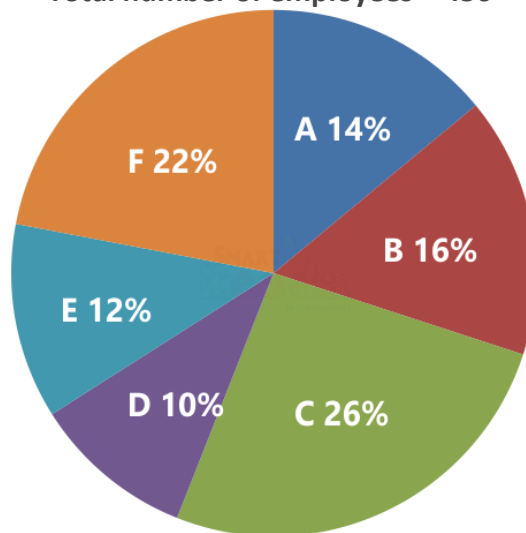- ☑ **Unmatched Explanations**

JOIN NOW

Date Interpretation Pie Chart Questions for Bank Clerk & PO Mains Exams.

DI Pie Chart Quiz 18

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

Percentage of employees in different departments of Branch XYZ in the years 2014
Total number of employees = 450

1. In 2014, the number of female employees in department C was 5/13 of the total number of employees in the same department. If the number of female employees in department F was 4 less than that in department C, what is the number male employees in department F?

A. 41   B. 42   C. 58   D. 54   E. 48

2. In 2014, there were 25% postgraduate employees in department B. In 2015, 22 employees of the same department were shifted to Branch 'PQR'. If in 2015, the percentage of postgraduate employees in department B became 28%, how many postgraduate employees were shifted to branch 'PQR'?

A. 8   B. 12   C. 4   D. 14   E. None of these

3. What is the average number of employees in departments A, D and F together?

A. 65   B. 70   C. 75   D. 72   E. 69

4. In department E, the ratio of the number female employees to that of the male employees was 5 : 4. There were equal number of unmarried males and unmarried females in department E. If the ratio of the married males to the married females was 3 : 2, what is the number of unmarried females?

A. 6   B. 15   C. 12   D. 4   E. 8

5. What is the central angle corresponding to the number of employees in department E? (in degrees)

A. 43.2°   B. 46.5°   C. 41.6°   D. 42.8°   E. 45.9°

Correct Answers:

1	2	3	4	5
C	C	E	C	A

Explanations:

1.   No. of female employees in department C

$= \dfrac{5}{13} \times \dfrac{26}{100} \times 450 = 45$

∴   No. of female employees in F = 45 − 4 = 41

Total No. of employees in department F

$= \dfrac{22}{100} \times 450 = 99$

∴   No. of male employees in department F = 99 − 41 = 58.

Hence, option C is correct.

2. No. of employees in deptt B in 2014

$= 450 \times \dfrac{16}{100} = 72$

∴ No. of PG employees in deptt B in 2014

$= 450 \times \dfrac{25}{100} = 18$

Total 22 employees were shifted to PQR.
∴ No. of employees in deptt B in 2015 = 72 − 22 = 50
∴ No. of PG employees in deptt B in 2015

$= 50 \times \dfrac{28}{100} = 14$

∴ No. of PG employees shifted to PQR = 18 − 14 = 4.

Hence, option C is correct.

3.

Reqd. average $= \dfrac{(14 + 10 + 22)\% \text{ of } 450}{3}$

$= \dfrac{46\% \text{ of } 450}{3} = \dfrac{46 \times 450}{3 \times 100} = 69$

Hence, option E is correct.

4. No. of female employees

$= \dfrac{5}{9}$ of total employees in E

No. of unmarried female employees

$= \dfrac{2}{5}$ of total **female** employees in E

$\Rightarrow \dfrac{5}{9} \times \dfrac{2}{5} \times \dfrac{12}{100} \times 450 = 12$

Hence, option E is correct.

5. Required central angle of department E $= \dfrac{12}{100} \times 360 = 43.2°$

Hence, option A is correct.

SmartKeeda
The Question Bank

प्रस्तुत करते हैं

TestZone
भारत की सबसे किफायती टेस्ट सीरीज़

अभी जुड़ें

12 Month Plan
2017-18 All Test Series

@ Just

₹ 399/-
300 + फुल लेन्थ टेस्ट

☑ श्रेष्ठ विश्लेषण
☑ उत्कृष्ट विषय सामग्री
☑ बेजोड़ व्याख्या

अभी जुड़ें