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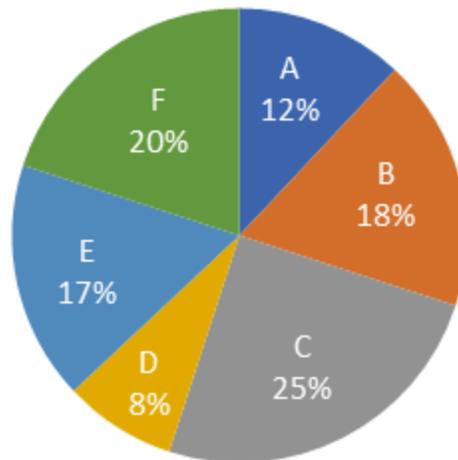
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DI Questions for SSC CGL, CHSL, SSC 10 + 2 and MTS Exams.

SSC Maths Quiz 11

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

The following pie chart gives the information about breakup of six different categories of workers in a company



- 1. In category A, the ratio of male workers to female workers is 2 : 3. The number of female workers in category A is what percentage of the total number of workers in category F?**

A. 35.5% B. 36% C. 37.5% D. 38%
- 2. The number of Category B workers is what percentage more than that of category D workers?**

A. 125% B. 120% C. 100% D. 140%
- 3. One day, all the workers were present except 25 out of 102 of category E workers. Find the number of workers present on that day?**

A. 600 B. 625 C. 575 D. 550
- 4. If total 1800 workers are working in the company then find the absolute difference between the number of workers in category D and category C ?**

A. 306 B. 323 C. 289 D. 286

5. Which of the following three categories workers together is 60% of the total number of workers working in that company?

A. A, B, and F

B. A, B, and C

C. B, C, and E

D. B, C, and F

Correct Answers:

1	2	3	4	5
B	A	C	A	C



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Explanations:

1. Let the total number of workers, working in the company = $100x$

The number of workers in category A = 12% of $100x = 12x$

The number of female in category A = $\frac{3}{5} \times 12x = 7.2x$

The number of workers in category F = 20% of $100x = 20x$

The reqd. % = $\frac{7.2x}{20x} \times 100 = 7.2 \times 5 = 36\%$

Hence, option B is correct.

2. Let the total number of workers, working in the company = $100x$

The number of workers in category B = 18% of $100x = 18x$

The number of workers in category D = 8% of $100x = 8x$

The reqd. % = $\frac{(18x - 8x) \times 100}{8x} = \frac{1000x}{8x} = 125\%$

Hence, option A is correct.

3. Let the total number of workers, working in the company = $100x$

The number of workers in category E = 17% of $100x = 17x$

From the question, 25 out of 102 category E workers were absent it means the total number of workers in category E = $17x = 102$

By solving, $x = 6$

Therefore, the total number of workers in the company = $100x = 100 \times 6 = 600$

Number of workers absent on that day = 25

Total number of workers present on that day = $600 - 25 = 575$

Hence, option C is correct.

4. The total number of workers, working in the company = 1800

The number of workers in category D = 8% of 1800 = 144

The number of workers in category C = 25% of 1800 = 450

The required difference = $450 - 144 = 306$

Hence, option A is correct.

5. Let the total number of workers, working in the company = $100x$

Then, from the chart it is clear that category, $B + C + E = 18x + 25x + 17x = 60x = 60\%$ of the total number of workers

Hence, option C is correct.



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