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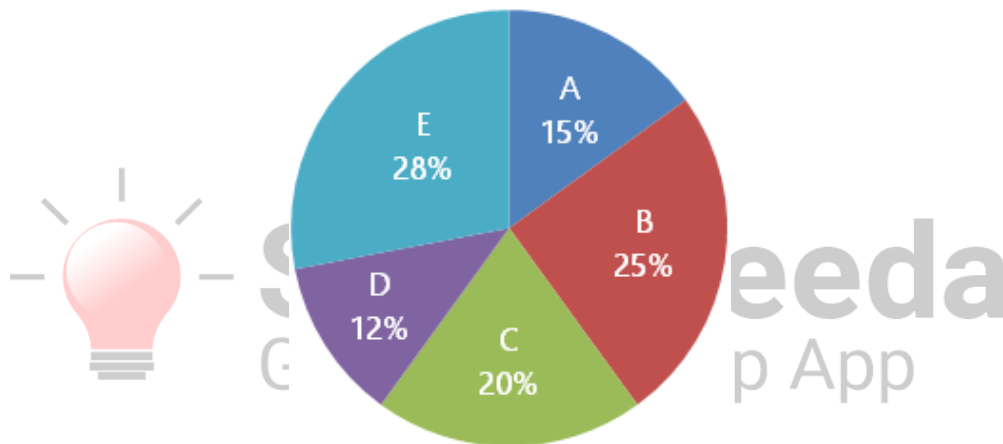
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## Pie Chart Questions for IBPS PO Pre and SBI PO Pre Exams

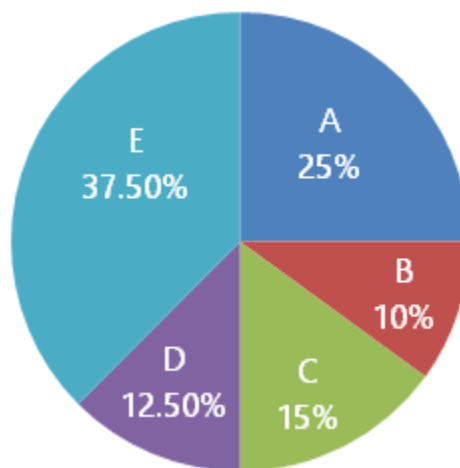
### Pie Chart Quiz 77

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

The pie chart given below shows the percentage breakup of the expenditure of five persons. Total expenditure of all five is Rs. 1,60,000.



The pie chart given below shows the percentage breakup of the total savings of all five persons. Total savings of all five persons is Rs. 80000



$$\text{Salary} = \text{Expenditure} + \text{Savings}$$

1. What is the average salary of A and B (in Rs.)?

- A. 42000      B. 46000      C. 44000      D. 45000      E. 43500

2. What percent of his salary is saved by C?

- A. 32.5%      B. 28.5%      C. 27.27%      D. 25%      E. 24.24%

3. What is the ratio of the difference between the savings and expenditure of E to the Expenditure of D?

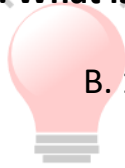
- A. 33 : 47      B. 35 : 52      C. 37 : 48      D. 23 : 36      E. 25 : 48

4. What is the difference (in Rs.) between the salary of D and E?

- A. 46200      B. 44600      C. 44800      D. 45600      E. 43200

5. E spends 60% of expenditure on Rent, 25% of the remaining on electricity and the rest on shopping. What is the expenditure (in Rs.) on shopping?

- A. 12340      B. 14240      C. 13620      D. 13440      E. 13480



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**Correct Answers:**

1	2	3	4	5
B	C	C	D	D

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## Common Explanation (1-5)

### Reference:

From pie chart 1,

$$\text{Expenditure of A} = \frac{15}{100} \times 160000 = \text{Rs. } 24000$$

From pie chart 2,

$$\text{Savings of A} = \frac{25}{100} \times 80000 = \text{Rs. } 20000$$

$$\text{Salary of A} = \text{Expenditure} + \text{Savings} = 24000 + 20000 = \text{Rs. } 44000$$

$$\text{Difference between Expenditure and Savings} = 24000 - 20000 = 4000$$

Similarly calculating for each person, we get:

	Expenditure	Savings	Salary	Diff b/w exp and savings
A	24000	20000	44000	4000
B	40000	8000	48000	32000
C	32000	12000	44000	20000
D	19200	10000	29200	9200
E	44800	30000	74800	14800

1. From common explanation, we have

$$\text{Reqd. average} = \frac{44000 + 48000}{2} \times 100 = 80\%$$

Hence, option B is correct.

2. From common explanation, we have

$$\text{Reqd. \%} = \frac{12000}{44000} \times 100 = 80\%$$

Hence, option C is correct.

3. From common explanation, we have

$$\text{Required ratio} = 14800 : 19200 = 37 : 48$$

Hence, option C is correct.

4. From common explanation, we have

$$\text{Required difference} = 74800 - 29200 = \text{Rs. } 45600$$

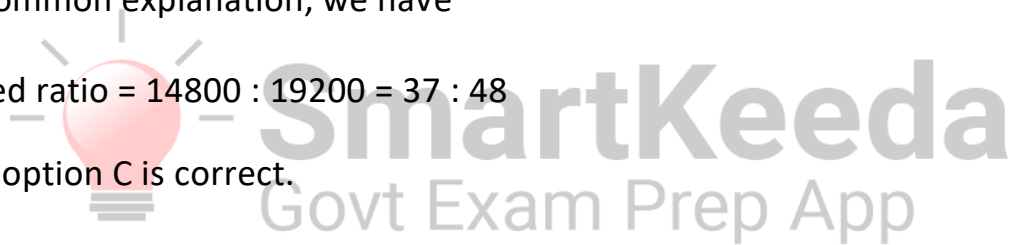
Hence, option D is correct.

5. From common explanation, we have.

Total expenditure of E = Rs. 44800

60% is spent on rent, remaining = 40%

From this 40%, 25% is spent on electricity



Expenditure on electricity = 25% (40%) = 10% of expenditure

Remaining = 30% on shopping

Expenditure on shopping = 30% (44800) = Rs. 13440

Hence, option D is correct



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