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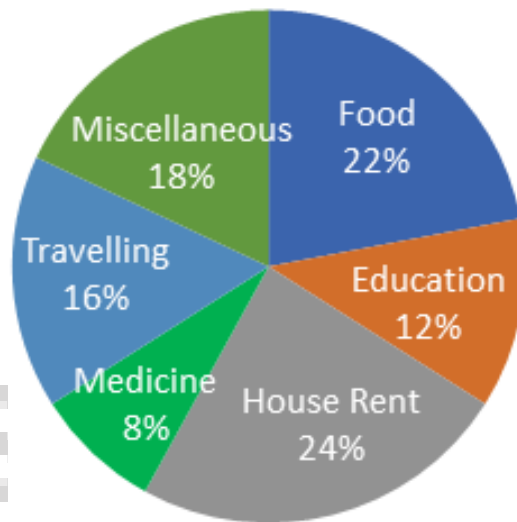
# Date Interpretation Pie Chart Questions for SBI Clerk Pre, IBPS Clerk Pre and IBPS RRB Exams.

## DI Pie Chart Quiz 45

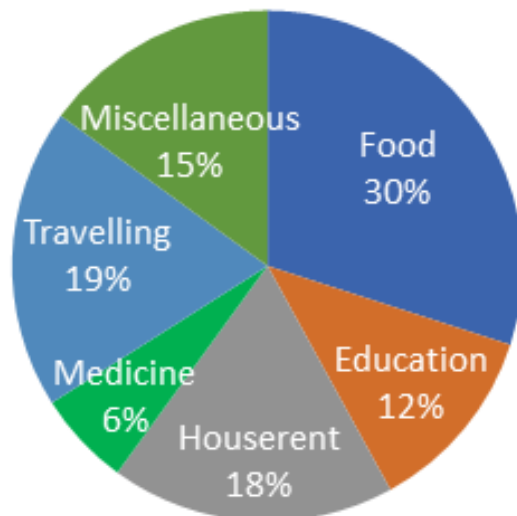
**Direction :** Study the following pie chart carefully and answer the questions given beside.

The following pie charts show the monthly expenditure of two families on various items. The total monthly expenditures of Family A is Rs. 12500 and the total monthly expenditures of Family B is Rs. 17500.

Family A



Family B



## Questions :

1. The monthly expenditures of Family A on education is approximately what percent of the monthly expenditures of Family B on education?

- A. 71.43%      B. 100%      C. 68.29%      D. 73.24%      E. None of these

2. If the monthly incomes of family A is same as the monthly income of family B. If family A saves 50% of his monthly incomes then family B saves what percent of his monthly income?

- A. 45%      B. 30%      C. 65%      D. 25%      E. None of these

3. The expenditures on travelling by both families together is approximately what percent of the expenditure on house rent by both families together?

- A. 84.2%      B. 86.6%      C. 87.4%      D. 72.3%      E. None of these

4. If the expenditures of both families are combined together then the expenditures on Travelling of both families together will be what percent of the total expenditures of both families?

- A. 15.25%      B. 21%      C. 17.75%      D. 18.5%      E. None of these

5. What is the respective ratio of the expenditure on miscellaneous by Family A and the expenditure on medicine by Family B?

- A. 9 : 2      B. 5 : 7      C. 45 : 22      D. 15 : 7      E. None of these

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
A	B	B	C	D

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## Answers :

1. The monthly expenditures of Family A on education = 12% of 12500 = 1500

The monthly expenditures of Family B on education = 12% of 17500 = 2100

The reqd. % =  $\frac{1500 \times 100}{2100}$  = approximately 71.43%

Hence, option A is correct.

2. Let the monthly income of Family A = Rs. x. If he saves 50% of the income then he will spend (100 – 50) = 50% of income = 50% of x = 12500

By solving,  $x = \frac{12500 \times 100}{50} = 25000$

= monthly income of Family A = monthly income of Family B

According to the question,

family B's total expenditures = Rs. 17500 therefore, total saving = Rs. (25000 – 17500) = Rs. 7500

The reqd. % =  $\frac{7500 \times 100}{25000} = 30\%$

Hence, option B is correct.

3. The expenditures on travelling by both families together = 16% of 12500 + 19% of 17500 = 2000 + 3325 = 5325

Expenditure on house rent by both families together = 24% of 12500 + 18% of 17500 = 3000 + 3150 = 6150

The reqd. % =  $\frac{5325 \times 100}{6150}$  = approximately 86.58% = 86.6%

Hence, option B is correct.

4. The expenditures of both families together = Rs. (12500 + 17500) = Rs. 30000

The expenditures on Travelling of both families together = 16% of 12500 + 19% of 17500 = Rs. (2000 + 3325) = Rs. 5325

The reqd. % =  $\frac{5325 \times 100}{30000} = 17.75\%$

Hence, option C is correct.

5. The expenditures on miscellaneous by Family A = 18% of 12500 = Rs. 2250

The expenditures on medicine by Family B = 6% of 17500 = Rs. 1050

The required ratio = 2250 : 1050 = 45 : 21 = 15 : 7

Hence, option D is correct.

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