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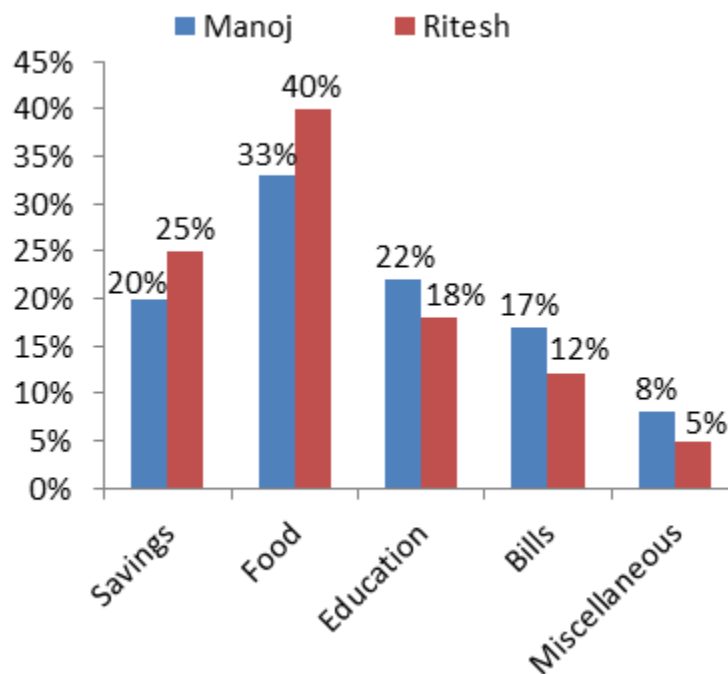- ☑ **Excellent Content**
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Date Interpretation Bar Graph Questions for IBPS PO Pre, SBI PO Pre, IBPS Clerk Mains, SBI Clerk Mains, IBPS SO Pre and RRB Scale I Pre Exams.

DI Bar Chart Quiz 34

Directions: Study the graph carefully and answer the following questions.

In the below chart salary distribution of Manoj and Ritesh is given and you have to study the chart and answer the questions. The salary of Manoj is Rs 1,48,000 and that of Ritesh is Rs 1,96,000.

1. Find the difference between the expenditure on education and food by Manoj and by Ritesh in the same categories.

A. Rs. 25480   B. Rs. 32680   C. Rs. 32280   D. Rs. 35670   E. Rs. 29840

2. If Ritesh wants to increase his saving by 14.28%, by what percent should he decrease his expenditure on bills?

A. 28.75%   B. 29.76%   C. 28.76%   D. 29.75%   E. 27.76%

3. Who spends more on education and by how much?

A. Ritesh, Rs. 2720   B. Manoj, Rs. 2720   C. Ritesh, Rs. 2520   D. Manoj, Rs. 2520   E. None of these

4. Find out the ratio of expenditure on bills and miscellaneous by Ritesh to that of by Manoj in the same categories.

A. 834 : 923   B. 833 : 925   C. 925 : 833   D. 724 : 925   E. None of these

5. By what percent does Manoj saves less than Ritesh?

A. 38.58%   B. 47.55%   C. 39.59%   D. 42.15%   E. 37.98%

Correct Answers:

1	2	3	4	5
C	B	A	B	C

Explanations:

1. Expenditure by Manoj,
On food = 33% of 148000 = Rs. 48840
On education = 22% of 148000 = Rs. 32560
Total, M = Rs. (48840 + 32560) = Rs. 81400
 Expenditure by Ritesh,
On food = 40% of 196000 = Rs. 78400
On education = 18% of 196000 = Rs. 35280
Total, R = Rs. (78400 + 35280) = Rs. 113680
Therefore, difference in expenditure = R − M = Rs. (113680 – 81400) = Rs. 32280
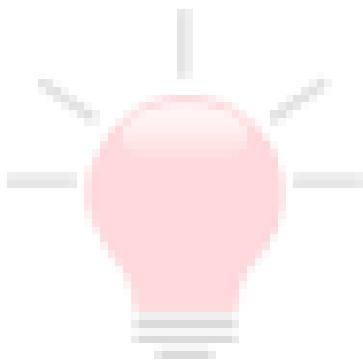Hence, option C is correct.

2. Savings of Ritesh = 25% of 196000 = Rs. 49000
14.28% of 49000 = Rs. 7000
Expenditure on bills = 12% of 196000 = Rs. 23520
Therefore, required percentage decrease in expenditure on bills
$= \dfrac{7000}{23520} \times 100 = 29.76\%$
Hence, option B is correct.

3. Expenditure on education by,
Manoj, M = 22% of 148000 = Rs. 32560
Ritesh, R = 18% of 196000 = Rs. 35280
Thus, Ritesh spends more on education than Manoj
R − M = Rs. (35280 – 32560) = Rs. 2720
Hence, option A is correct.

4.   Expenditure by Ritesh,
On bills = 12% of 196000 = Rs. 23520
On miscellaneous = 5% of 196000 = Rs. 9800
Total = Rs. 33320
Expenditure by Manoj,
On bills = 17% of 148000 = Rs. 25160
On miscellaneous = 8% of 148000 = Rs. 11840
Total = Rs. 37000
Required ratio = 33320 : 37000 = 833 : 925
Hence, option B is correct.

5.   Savings of Manoj = 20% of 148000 = Rs. 29600
Savings of Ritesh = 25% of 196000 = Rs. 49000
Therefore, reqd. % = $\dfrac{49000 - 29600}{49000} \times 100 = 39.59\%$
Hence, option C is correct.