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Date Interpretation Pie Chart Questions for Bank Exams.

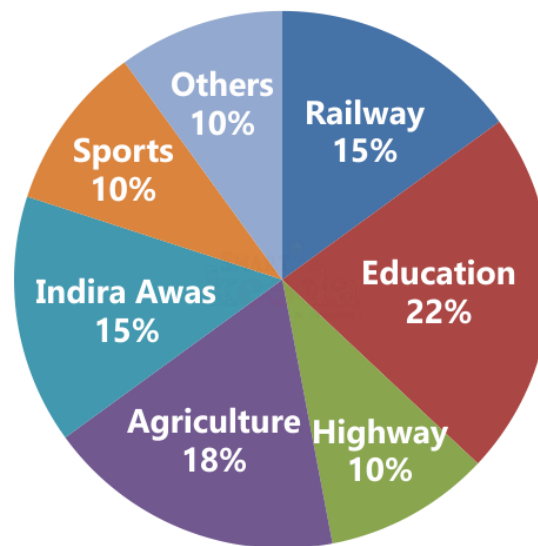
DI Pie Chart Quiz 23

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

The given pie chart shows the spending by Indian Government on various fields during years 2014 and 2015.

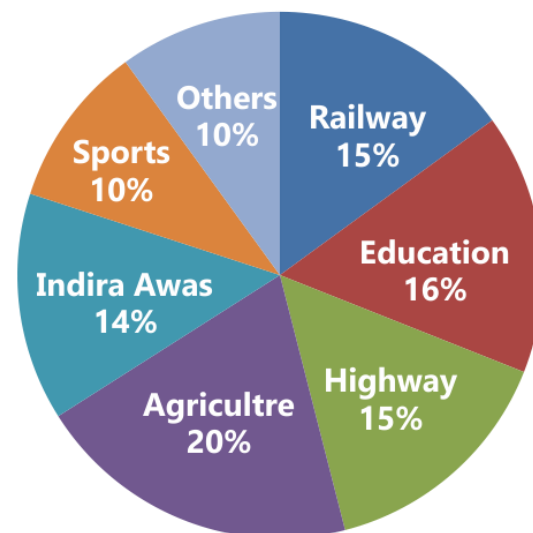
Total spent by Government in 2014 = 5940 lakh crores

Percentage spending of different fields in 2014



Total spent by Government in 2015 = 6720 lakh crores

Percentage spending of different fields in 2015



1. What is the difference between total spending on Agriculture, Indira awas and sports in 2015 and total spending on Railway, Education and Highway in 2014?

- A. 150 lakh crores B. 155 lakh crores C. 160 lakh crores D. 165 lakh crores E. None of these

2. What is the ratio of difference between Education field and Railway field in 2014 to difference between Highway and Indira awas in 2015?

- A. 16 : 99 B. 99 : 16 C. 16 : 97 D. 97 : 16 E. None of these

3. What is the percentage of spending in Indira awas and others together in both years to the percentage of spending in Education and Highway together in both years?

- A. 70.50% B. 77.10% C. 77.75% D. 75.75% E. None of these

4. What is the ratio of spending in education field and Railway field together in 2014 to spending in Highway and Agriculture together in 2015?

- A. 3663 : 3920 B. 3920 : 3663 C. 1307 : 1221 D. 1221 : 1307 E. None of these

5. In which field Percentage of spending had increases maximum from 2014 to 2015?

- A. Railway B. Education C. Highway D. Sports E. None of these

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Correct Answers:

1	2	3	4	5
D	B	C	A	C

Explanations:

1.

$$\text{Spending on Agri. in 2015} = 6720 \times \frac{20}{100} = 1344$$

$$\text{Spending on Indira awas in 2015} = 6720 \times \frac{14}{100} = 940.8$$

$$\text{Spending on Sports in 2015} = 6720 \times \frac{10}{100} = 672$$

Total spending on Agriculture, Indira awas and sports in 2015 = $1344 + 940.8 + 672 = 2956.8$ lakh crores

$$\text{Spending on railway in 2014} = 5940 \times \frac{15}{100} = 891$$

$$\text{Spending on Education in 2014} = 5940 \times \frac{22}{100} = 1306.8$$

$$\text{Spending on Highway in 2014} = 5940 \times \frac{10}{100} = 594$$

Total spending on Railway, Education and Highway in 2014 = $891 + 1306.8 + 594 = 2791.8$ lakh crores

Hence, required difference = $2956.8 - 2791.8 = 165$ lakh crores

Therefore, option (D) is correct

2.

$$\text{Spending on Education in 2014} = 5940 \times \frac{22}{100} = 1306.8$$

$$\text{Spending on Railway in 2014} = 5940 \times \frac{15}{100} = 891$$

$$\text{Difference} = 1306.8 - 891 = 415.8$$

$$\text{Spending on Highway in 2015} = 6720 \times \frac{15}{100} = 1008$$

$$\text{Spending on Indra awas in 2015} = 6720 \times \frac{14}{100} = 940.8$$

$$\text{Difference} = 1008 - 940.8 = 67.2 \text{ lakh crores}$$

$$\text{Hence, required ratio} = \frac{415.8}{67.2} = 99 : 16$$

Therefore, option (B) is correct.

3.

$$\text{Spent in Indira awas in 2014} = 5940 \times \frac{15}{100} = 891$$

$$\text{Spent in Indira awas in 2015} = 6720 \times \frac{14}{100} = 940.8$$

$$\text{Spent in Others in 2014} = 5940 \times \frac{10}{100} = 594$$

$$\text{Spent in others in 2015} = 6720 \times \frac{10}{100} = 672$$

Total amount spent in Indira awas and others together in both years = $891 + 940.8 + 594 + 672 = 3097.8$ lakh crores

$$\text{Spent in Education in 2014} = 5940 \times \frac{22}{100} = 1306.8 \text{ lakh crores}$$

$$\text{Spent in Education in 2015} = 6720 \times \frac{16}{100} = 1075.2 \text{ lakh crores}$$

$$\text{Spent in Highway in 2014} = 5940 \times \frac{10}{100} = 594 \text{ lakh crores}$$

$$\text{Spent in Highway in 2015} = 6720 \times \frac{15}{100} = 1008$$

Total amount spent in Education and Highway together in both years = $1306.8 + 1075.2 + 594 + 1008 = 3984$ lakh crores

$$\text{Hence, required percentage} = \frac{3097.8}{3984} \times 100 = 77.75\%$$

Therefore, option (C) is correct.

4.

$$\text{Spent in Education in 2014} = 5940 \times \frac{22}{100} = 1306.8$$

$$\text{Spent in Railway in 2014} = 5940 \times \frac{15}{100} = 891$$

Total spent in Education and Railway together in 2014 = $1306.8 + 891 = 2197.8$ lakh crores

$$\text{Spent in Highway in 2015} = 6720 \times \frac{15}{100} = 1008$$

$$\text{Spent in Agriculture in 2015} = 6720 \times \frac{20}{100} = 1344$$

Total spent in Highway and Agriculture together in 2015 = $1008 + 1344 = 2352$ lakh crores

$$\text{Hence, required ratio} = \frac{2197.8}{2352} = 3663 : 3920$$

Therefore, option (A) is correct.

5.

$$\text{Spent on Railway in 2014} = 5940 \times \frac{15}{100} = 891$$

$$\text{Spent on Railway in 2015} = 6720 \times \frac{15}{100} = 1008$$

$$\text{Percentage increase} = \frac{1008 - 891}{891} = 13.13\%$$

$$\text{Spent on Education in 2014} = 5940 \times \frac{22}{100} = 1306.8$$

$$\text{Spent on Education in 2015} = 6720 \times \frac{16}{100} = 1075.2$$

$$\text{Percentage decrease} = \frac{1306.8 - 1075.2}{1306.8} = 17.72\%$$

$$\text{Spent on Highway in 2014} = 5940 \times \frac{10}{100} = 594$$

$$\text{Spent on Highway in 2015} = 6720 \times \frac{15}{100} = 1008$$

$$\text{Percentage increase} = \frac{1008 - 594}{594} = 69.7\%$$

$$\text{Spent on Agriculture in 2014} = 5940 \times \frac{18}{100} = 1069.2$$

$$\text{Spent on Agriculture in 2015} = 6720 \times \frac{10}{100} = 672$$

$$\text{Percentage increase} = \frac{672 - 1069.2}{1069.2} = 25.7\%$$

$$\text{Spent on Indira awas in 2014} = 5940 \times \frac{15}{100} = 891$$

$$\text{Spent on Indira awas in 2015} = 6720 \times \frac{14}{100} = 940.8$$

$$\text{Percentage increase} = \frac{940.8 - 891}{891} = 5.58\%$$

$$\text{Spent on Sports in 2014} = 5940 \times \frac{10}{100} = 594$$

$$\text{Spent on Sports in 2015} = 6720 \times \frac{10}{100} = 672$$

$$\text{Percentage increase} = \frac{672 - 594}{594} = 13.13\%$$

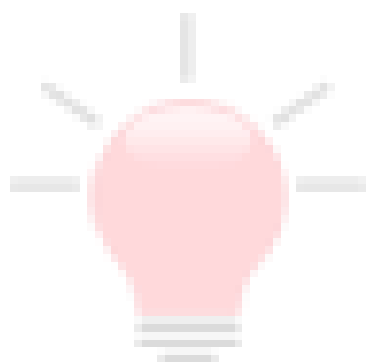
$$\text{Spent on Others in 2014} = 5940 \times \frac{10}{100} = 594$$

$$\text{Spent on Others in 2015} = 6720 \times \frac{10}{100} = 672$$

$$\text{Percentage increase} = \frac{672 - 594}{594} = 13.13\%$$

Hence, maximum percentage increase in Highway field from 2014 to 2015

Therefore, option (C) is correct.



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