

# UGC NET Paper 1 2011 dec

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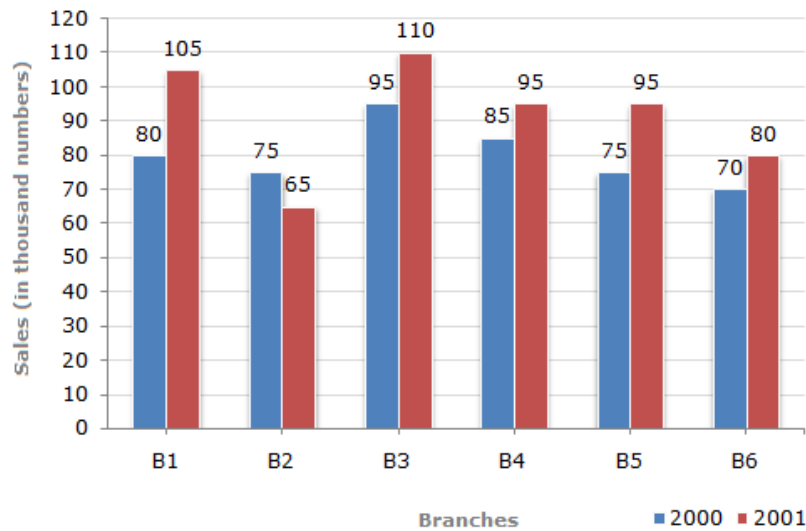
## Previous Years Solved Questions - UGC NET Paper 1 for July 2018

### DI (Hindi/Eng)-29 with ans

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The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.

Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years? दोनों वर्षों में शाखा B2 की कुल बिक्री का दोनों वर्षों में शाखा B4 की कुल बिक्री से अनुपात कितना है?

- A. 2:3
- B. 3:5
- C. 4:5
- D. 7:9

**Answer:** Option D

**Explanation:**

$$\text{Required ratio} = \frac{(75 + 65)}{(85 + 95)} = \frac{140}{180} = \frac{7}{9}.$$

Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years? दोनों वर्षों में शाखा B6 की कुल बिक्री, दोनों वर्षों में शाखाओं B3 की कुल बिक्री का कितना प्रतिशत है?

- A. 68.54%
- B. 71.11%
- C. 73.17%
- D. 75.55%

**Answer:** Option C

**Explanation:**

$$\begin{aligned}\text{Required percentage} &= \left[ \frac{(70 + 80)}{(95 + 110)} \times 100 \right] \% \\ &= \left[ \frac{150}{205} \times 100 \right] \% \\ &= 73.17\%.\end{aligned}$$

What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000? 2001 में शाखाओं B1, B2 और B3 की औसत बिक्री का 2000 में शाखाओं B1, B3 और B6 की औसत बिक्री का कितना प्रतिशत है?

- A. 75%
- B. 77.5%
- C. 82.5%
- D. 87.5%

**Answer:** Option D

**Explanation:**

Average sales (in thousand number) of branches B1, B3 and B6 in 2000

$$= \frac{1}{3} \times (80 + 95 + 70) = \left( \frac{245}{3} \right).$$

Average sales (in thousand number) of branches B1, B2 and B3 in 2001

$$= \frac{1}{3} \times (105 + 65 + 110) = \left( \frac{280}{3} \right).$$

∴ Required percentage =

$$\left[ \frac{245/3}{280/3} \times 100 \right] \% = \left( \frac{245}{280} \times 100 \right) \% = 87.5\%.$$

What is the average sales of all the branches (in thousand numbers) for the year 2000? वर्ष 2000 के लिए सभी शाखाओं की औसत बिक्री (हजारों संख्या) कितनी है?

- A. 73
- B. 80
- C. 83
- D. 88

**Answer:** Option B

**Explanation:**

Average sales of all the six branches (in thousand numbers) for the year 2000

$$= \frac{1}{6} \times [80 + 75 + 95 + 85 + 75 + 70]$$

$$= 80.$$

Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) is? दोनों वर्षों में शाखाओं B1, B3 और B5 की कुल बिक्री (हजार संख्या में) कितनी है?

- A. 250
- B. 310
- C. 435
- D. 560

**Answer:** Option D

**Explanation:**

Total sales of branches B1, B3 and B5 for both the years (in thousand numbers)

$$= (80 + 105) + (95 + 110) + (75 + 95)$$

$$= 560.$$

