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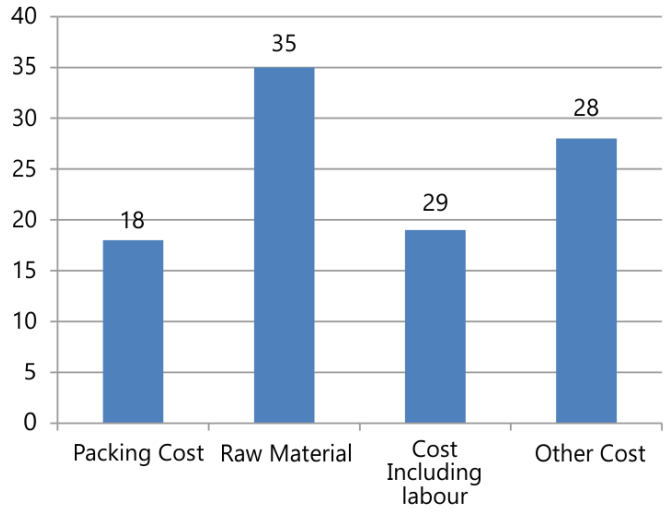
# Date Interpretation Mixed Chart Questions Quiz for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and IBPS RRB Exams.

## Data Interpretation Mixed Chart Quiz 15

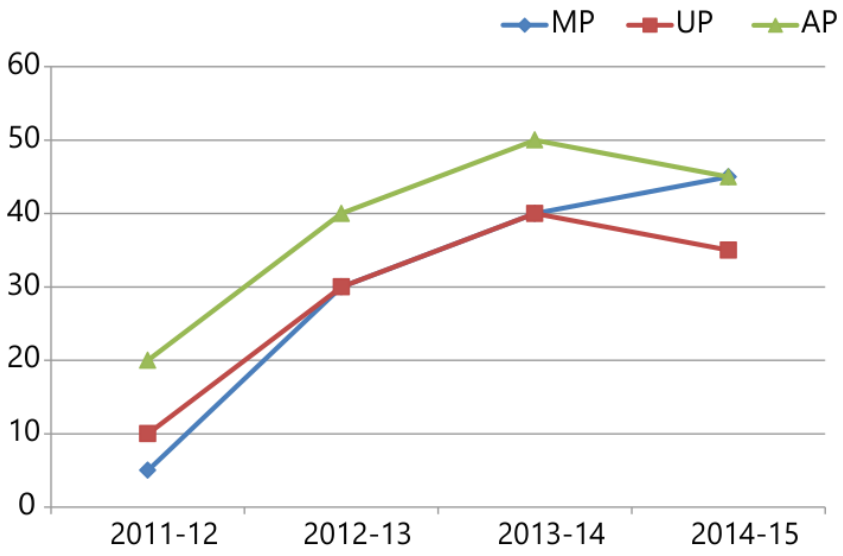
**Direction: Study the following bar and line chart carefully and answer the questions based on it.**

The bar chart shows the percentage cost of various components required to manufacture machines in three different states. The percentage cost remains the same during the given period. In the line graph the volume of sales over four financial years in AP,UP and MP is given in thousand units.

**Breakup of cost of machines (in%)**




**(Sales in thousand units)**



**1. If the Raw Material Cost of one unit is Rs. 300, then what is the total packing Cost (approximately in Rs.) for the volume of sales in MP in 2014-15?**

A. 300 thousand B. 210 thousand C. 130 thousand D. 700 thousand E. 749 thousand

**2. What is the ratio of the units sold in MP to those sold in UP over the given period?**

A. 21 : 10 B. 10 : 21 C. 24 : 23 D. 21 : 30 E. None of these

**3. Raw material cost alone is what percent of the total remaining cost? (In approximate)**

A. 54% B. 40% C. 45% D. 64% E. None of these

**4. If the selling price of a machine is Rs. 40000 and the profit is Rs. 2000 per machine then what is the approximate total cost towards Raw Material for the volume of sales in AP for the year 2014-15?**

A. Rs. 60 million B. Rs. 70 million C. Rs. 55 million D. Rs. 65 million E. None of these

**5. The sales of all the states together in 2014-15 was how much more than that of during 2012-13?**

A. 10% B. 20% C. 15% D. 25% E. None of these

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**Correct Answers:**

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| D | C | A | E | D |

## Explanations:

**1.** Raw material cost = Rs. 300

And as given in the bar chart that the cost of Raw material of one item is 35% of whole.

Therefore, 35% ≡ Rs. 300

18% ≡ x

$x = \frac{300 \times 18}{35}$ = Rs. 154.28

And the total volume sales in MP 2014-15 = 45 thousand
Therefore, Total packing cost in MP in year 2014-15 = 154.28 × 45000 = 6942600 ≈ 700 thousand.
Hence, option D is correct.

**2.** Total sale in MP over the years = 5 + 30 + 40 + 45 = 120

And, the total sale in UP over the years = 10 + 30 + 40 + 35 = 115

Reqd. ratio = $\frac{120}{115}$ = 24 : 23

Hence, option C is correct.

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**3.** Raw material cost = 35

Remaining cost = Packing cost + Cost including labour + Other cost = 18 + 19 + 28 = 65

Reqd. % = $\frac{35}{65} \times 100 = 53.8 \approx 54\%$

Hence, option A is correct.

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**4.** CP of machine = 40000 – 2000 = 38000 ∴ CP of raw material = 35% of 38000

$= \frac{35}{100} \times 38000$ = Rs. 13300

∴ Total cost towards raw materials in AP for the volume of sales of machines in 2014-15 = 13300 × 45000 = 598500000 ≈ 600 million (approx)

Hence, option E is correct.

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**5.** Total sales of all the states together in year 2014-15 = 45 + 45 + 35 = 125 Total sales of all the states together in year 2012-13 = 40 + 30 + 30 = 100

∴ Reqd. % = $\frac{125 - 100}{100} \times 100 = 25\%$

Hence, option D is correct.

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