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# Date Interpretation Table Chart Questions for IBPS PO Mains, SBI PO Mains, RBI Grade B, Syndicate Bank PO, Canara Bank PO Exams.

## DI Table Chart Quiz 58

Directions: Study the following table chart carefully and answer the questions given beside:

The following table gives the percentage of marks obtained by six students viz. Monu, Tonu, Sonu, Swati, Babita and Reena in six subjects – Hindi, English, Mathematics, Computer, SST, and Science in Board Examination. The maximum marks for each subject is given along with the subject.

Subject→ Student↓	Hindi (100)	English (100)	Mathematics (150)	Computer (150)	SST (100)	Science (100)
Monu	85	75	60	80	75	60
Tonu	80	90	72	70	75	65
Sonu	60	72	90	70	90	75
Swati	90	70	85	60	80	55
Babita	78	65	60	80	65	50
Reena	65	80	70	70	60	70

1. What is the percentage of lowest marks scored in all the subject together to the highest marks scored in all the subject together?

- A. 90.5%      B. 87.2%      C. 75.0%      D. 72.1%      E. 65.3%

2. If marks of subject computer is not considered for the ranking, then which student would be ranked third?

- A. Monu      B. Tonu      C. Sonu      D. Swati      E. Reena

3. What is the percentage of total marks scored by the six students in Hindi and Mathematics combined together to the English and SST combined together?

- A. 101%      B. 109%      C. 115%      D. 124%      E. 131%

4. What is the ratio of total scored of Monu and Swati in all the subject together to the total score of Sonu and Reena in all the subject together?

- A. 1843 : 2012      B. 2001 : 2132      C. 2035 : 2044      D. 2175 : 2232      E. None of these

5. After the scrutiny if the total marks of Sonu, Monu and Reena in all the subject have increased by 10%, 11% and 12% respectively and the total marks of Tonu, Swati and Babita in all the subject have decreased by 5%, 10% and 15% respectively then what is the difference in total marks to top two scorer to the last two scorer?

- A. 292.2      B. 312.5      C. 323.0      D. 342.1      E. 350.5

**Correct Answers:**

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

**Common explanation :**

Subject→ Student↓	Marks scored in Hindi (out of 100)	Marks scored in English (out of 100)	Marks scored in Maths (out of 150)	Marks scored in Computer (out of 150)	Marks scored in SST (out of 100)	Marks scored in Science (out of 100)
Monu	$(100 \times 85) / 100$ = 85	$(100 \times 75) / 100$ = 75	$(150 \times 60) / 100$ = 90	$(150 \times 80) / 100$ = 120	$(100 \times 75) / 100$ = 75	$(100 \times 60) / 100$ = 60
Tonu	$(100 \times 80) / 100$ = 80	$(100 \times 90) / 100$ = 90	$(150 \times 72) / 100$ = 108	$(150 \times 70) / 100$ = 105	$(100 \times 75) / 100$ = 75	$(100 \times 65) / 100$ = 65
Sonu	$(100 \times 60) / 100$ = 60	$(100 \times 72) / 100$ = 72	$(150 \times 90) / 100$ = 135	$(150 \times 70) / 100$ = 105	$(100 \times 90) / 100$ = 90	$(100 \times 75) / 100$ = 75
Swati	$(100 \times 90) / 100$ = 90	$(100 \times 70) / 100$ = 70	$(150 \times 85) / 100$ = 127.5	$(150 \times 60) / 100$ = 90	$(100 \times 80) / 100$ = 80	$(100 \times 55) / 100$ = 55
Babita	$(100 \times 78) / 100$ = 78	$(100 \times 65) / 100$ = 65	$(150 \times 60) / 100$ = 90	$(150 \times 80) / 100$ = 120	$(100 \times 65) / 100$ = 65	$(100 \times 50) / 100$ = 50
Reena	$(100 \times 65) / 100$ = 65	$(100 \times 80) / 100$ = 80	$(150 \times 70) / 100$ = 105	$(150 \times 70) / 100$ = 105	$(100 \times 60) / 100$ = 60	$(100 \times 70) / 100$ = 70

**Explanations:**

**1.** Following the common explanation we get ;

Total marks of Monu in all the subject together =  $(85 + 75 + 90 + 120 + 75 + 60) = 505$

Total marks of Tonu in all the subject together =  $(80 + 90 + 108 + 105 + 75 + 65) = 523$

Total marks of Sonu in all the subject together =  $(60 + 72 + 135 + 105 + 90 + 75) = 537$

Total marks of Swati in all the subject together =  $(90 + 70 + 127.5 + 90 + 80 + 55) = 512.5$

Total marks of Babita in all the subject together =  $(78 + 65 + 90 + 120 + 65 + 50) = 468$

Total marks of Reena in all the subject together =  $(65 + 80 + 105 + 105 + 60 + 70) = 485$

Highest marks scored in all the subject together by Sonu and marks = 537

Lowest marks scored in all the subject together by Babita and marks = 468

$$\text{Required percentage} = \frac{468}{537} \times 100 = 87.2\%$$

Hence, option (B) is correct.

**2.** Following the common explanation we get :

Total marks of Monu in all the subject together except Computer =  $(85 + 75 + 90 + 75 + 60) = 385$

Total marks of Tonu in all the subject together except Computer =  $(80 + 90 + 108 + 75 + 65) = 418$

Total marks of Sonu in all the subject together except Computer =  $(60 + 72 + 135 + 90 + 75) = 432$

Total marks of Swati in all the subject together except Computer =  $(90 + 70 + 127.5 + 80 + 55) = 422.5$

Total marks of Babita in all the subject together except Computer =  $(78 + 65 + 90 + 65 + 50) = 348$

Total marks of Reena in all the subject together =  $(65 + 80 + 105 + 60 + 70) = 380$

Thus, Tonu got rank third in this context.

Hence, option (B) is correct.

**3.** Following the common explanation we get ;

Total marks scored by the six students in Hindi =  $(85 + 80 + 60 + 90 + 78 + 65) = 458$

Total marks scored by the six students in Mathematics =  $(90 + 108 + 135 + 127.5 + 90 + 105) = 655.5$

Total marks scored by the six students in English =  $(75 + 90 + 72 + 70 + 65 + 80) = 452$

Total marks scored by the six students in SST =  $(75 + 75 + 90 + 80 + 65 + 60) = 445$

Total marks scored by the six students in Hindi and Mathematics combined together =  $(458 + 655.5) = 1113.5$

Total marks scored by the six students in English and SST combined together =  $(452 + 445) = 897$

$$\text{Required percentage} = \frac{1113.5}{897} \times 100 = 124\%$$

Hence, option D is correct.

**4.** Following the common explanation we get ;

Total marks of Monu in all the subject together =  $(85 + 75 + 90 + 120 + 75 + 60) = 505$

Total marks of Tonu in all the subject together =  $(80 + 90 + 108 + 105 + 75 + 65) = 523$

Total marks of Sonu in all the subject together =  $(60 + 72 + 135 + 105 + 90 + 75) = 537$

Total marks of Swati in all the subject together =  $(90 + 70 + 127.5 + 90 + 80 + 55) = 512.5$

Total marks of Babita in all the subject together =  $(78 + 65 + 90 + 120 + 65 + 50) = 468$

Total marks of Reena in all the subject together =  $(65 + 80 + 105 + 105 + 60 + 70) = 485$

So, total scored of Monu and Swati in all the subject together =  $(505 + 512.5) = 1017.5$

Also, the total score of Sonu and Reena in all the subject together =  $(537 + 485) = 1022$

$$\text{Required ratio} = \frac{1017.5}{1022} \times 100 = \frac{2035}{2044}$$

Hence, option (C) is correct.

**5.** Following the common explanation we get ;

Total marks of Monu in all the subject together =  $(85 + 75 + 90 + 120 + 75 + 60) = 505$

Total marks of Monu after increment =  $(505 \times 1.11) = 560.55$

Total marks of Tonu in all the subject together =  $(80 + 90 + 108 + 105 + 75 + 65) = 523$

Total marks of Tonu after decrement =  $(523 \times 0.95) = 496.85$

Total marks of Sonu in all the subject together =  $(60 + 72 + 135 + 105 + 90 + 75) = 537$

Total marks of Sonu after increment =  $(537 \times 1.10) = 590.7$

Total marks of Swati in all the subject together =  $(90 + 70 + 127.5 + 90 + 80 + 55) = 512.5$

Total marks of Swati after decrement =  $(512.5 \times 0.90) = 461.25$

Total marks of Babita in all the subject together =  $(78 + 65 + 90 + 120 + 65 + 50) = 468$

Total marks of Babita after decrement =  $(468 \times 0.85) = 397.8$

Total marks of Reena in all the subject together =  $(65 + 80 + 105 + 105 + 60 + 70) = 485$

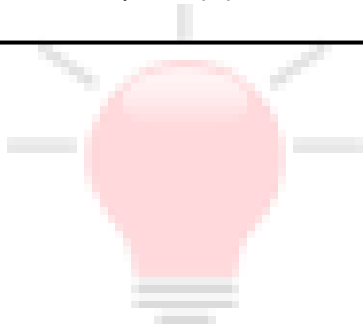
Total marks of Reena after increment =  $(485 \times 1.12) = 543.2$

Sum of marks of top two scorer =  $(590.7 + 560.55) = 1151.25$

Sum of marks of last two scorer =  $(397.8 + 461.25) = 859.05$

Required difference =  $(1151.25 - 859.05) = 292.2$

Hence, option (A) is correct.



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