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The Question Bank

# Date Interpretation Table Chart Questions for IBPS Clerk Pre, IBPS Clerk, LIC Assistant, RBI Assistant, SBI Clerk Pre and SBI Clerk

## DI Table Chart Quiz 14

Direction: Study the following table carefully and answer the questions based on it.

Percentage of marks obtained by six students in six different subjects

Subject	Student					
	Psychology (150)	Sociology (120)	Economics (80)	Philosophy (75)	Statistics (125)	Geology (60)
A	72	65	85	65	88	72
B	68	58	74	70	78	54
C	63	73	69	57	68	65
D	56	65	77	61	75	67
E	78	55	82	76	59	74
F	84	70	64	78	82	80

**Note :** Figure written in bracket under each subject indicate the maximum marks allotted for that subject.

### Questions

1. What is the difference between the total marks obtained by A in Psychology and Statistics together and the total marks obtained by F in these two subjects together?

- A. 12.5                                      B. 6                                      C. 10.5  
D. 11.6                                      E. None of these

2. What is the average percentage of marks obtained by six students in Sociology ?

- A.  $77\frac{1}{3}$                                       B.  $64\frac{1}{5}$                                       C.  $77\frac{1}{5}$   
D.  $64\frac{1}{3}$                                       E. None of these

3. What is the average marks obtained by the six students in Philosophy out of 75?

- A. 58.75                                      B. 50.875                                      C. 67.83  
D. 65.73                                      E. None of these

**4. What is the total marks obtained by 'A' in Psychology, Economics and Geology together ?**

A. 219.2

B. 229

C. 209.8

D. 229.6

E. None of these

**5. Approximately what is the overall percentage of marks obtained by 'C' in all the subjects together ?**

A. 60

B. 56

C. 72

D. 76

E. 66



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**Correct Answers:**

1	2	3	4	5
C	D	B	A	E

**Explanations:**

1. Total marks obtained by A in Psychology and Statistics together

$$= \left( \frac{72 \times 150}{100} + \frac{88 \times 125}{100} \right)$$

$$= 108 + 110 = 218$$

$$\text{Total marks obtained by F in these two subjects} = \left( \frac{84 \times 150}{100} + \frac{82 \times 125}{100} \right)$$

$$= 126 + 102.5 = 228.5$$

$$\therefore \text{Difference} = (228.5 - 218) = 10.5$$

Hence, option C is correct.

2. Average % of marks obtained by six students in Sociology

$$= \frac{65 + 58 + 73 + 65 + 55 + 70}{6} = \frac{386}{6} = 64\frac{1}{3}$$

Hence, option D is correct.

3. Average marks obtained by 6 students in Philosophy out of 75

$$= \left( \frac{65 + 70 + 57 + 61 + 76 + 78}{6} \times \frac{75}{100} \right)$$

$$= \left( \frac{407}{6} \times \frac{75}{100} \right) = 50.875$$

Hence, option B is correct.

4. Reqd. answer =  $\left(\frac{72 \times 150}{100} + \frac{85 \times 80}{100} + \frac{72 \times 60}{100}\right)$   
=  $108 + 68 + 43.2 = 219.2$

Hence, option A is correct.

5. Percentage of marks obtained by C in all the subjects together

$$= \frac{(63\% \text{ of } 150) + (73\% \text{ of } 120) + \dots + (65\% \text{ of } 60)}{150 + 120 + \dots + 60} \times 100$$
$$= \frac{404}{610} \times 100 \approx 66\%$$

Hence, option E is correct.



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