Date Interpretation Table Chart Questions for Bank Clerk Mains and PO Exams.

DI Table Chart Quiz 13

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

The following table shows the percentage of marks obtained by six students in five different subjects.

Students	Physics (Out of 75)	Chemistry (Out of 75)	Maths (Out of 200)	Hindi (Out of 50)	English (Out of 150)
A	84%	42%	67%	44%	74%
B	68%	64%	49%	74%	52%
C	72%	54%	58%	68%	64%
D	48%	82%	63%	48%	70%
E	70%	78%	71%	56%	78%
F	56%	66%	55%	76%	66%

1. What is the average marks scored by all the students in Physics?

A. 49.75 B. 52.25 C. 54 D. 57.5 E. 47.5

2. What is the total marks scored by Student F in all the subjects together?

A. 332 B. 334.5 C. 335 D. 336. E. 338.5

3. What is the overall percentage of marks scored by Student B? (Answer approximate value.)

A. 53% B. 57% C. 61% D. 63% E. 51%

4. The marks scored by Student C in physics is approximately what per cent of the marks scored by him in English?

A. 56% B. 60% C. 62% D. 67% E. 69%

5. What is the difference between the total marks obtained by Student D in Chemistry and English and that obtained by Student F in the same subject?

A. 14.5 B. 16 C. 18 D. 19.5 E. 16.5

Correct Answers:

1	2	3	4	5
A	E	B	A	C

Explanations:

1.

Average marks of all students in Physics $= \frac{1}{6} \times 75[84\% + 68\% + 72\% + 48\% + 70\% + 56\%]$

$\Rightarrow \frac{1}{6} \times 75\%[84 + 68 + 72 + 48 + 70 + 56]$

$\Rightarrow \frac{1}{6} \times \frac{75}{100}[398] = 49.75$

Hence, option A is correct.

2. Total marks scored by student F in all the subject together $= (75 \times 56\%) + (75 \times 66\%) + (200 \times 55\%) + (50 \times 76\%) + (150 \times 66\%)$

$= \frac{(75 \times 56)}{100} + \frac{(75 \times 66)}{100} + \frac{(200 \times 55)}{100} + \frac{(50 \times 76)}{100} + \frac{(150 \times 66)}{100}$

$= 42 + 49.5 + 110 + 38 + 99 = 338.5$

Hence, option E is correct.

3. Overall percentage of marks scored by Student B $= (75 \times 68\%) + (75 \times 64\%) + (200 \times 49\%) + (50 \times 74\%) + (150 \times 52\%)$

$\Rightarrow \frac{(75 \times 68)}{100} + \frac{(75 \times 64)}{100} + \frac{(200 \times 49)}{100} + \frac{(50 \times 74)}{100} + \frac{(150 \times 52)}{100}$

$\Rightarrow 51 + 48 + 98 + 37 + 78 = 312$

Reqd. $\% = \frac{312}{550} \times 100 = 56.72 \approx 57\%$

Hence, option B is correct.

4.

Total marks scored by Student C in physics $= \frac{72}{100} \times 75 = 54$

Total marks scored by Student C in English $= \frac{64}{100} \times 150 = 96$

Reqd. % $= \frac{54}{96} \times 100 = 56.25 \approx 56\%$

Hence, option A is correct.

5. Total marks of Student D in Chemistry and English = (82% of 75) + (70% of 150) = 61.5 + 105 = 166.5

Total marks of Student F in Chemistry and English = (66% of 75) + (66% of 150) = 49.5 + 99 = 148.5

∴ Reqd. difference = 166.5 – 148.5 = 18

Smart approach:

Reqd. difference= (82 – 66) % of 75 + (70 – 66) % of 150 = 16% of 75 + 4% of 150 = 12 + 6 = 18

Hence, option C is correct.