Data Interpretation Exercise for UGC NET

Di Table Chart No. 86

Directions: Study the following information carefully and answer the following question as beside:

The following table gives the information about the number of marks obtained by five students in five subjects in an examination (the total marks in every subject are 300 each)

Student/subject	English	Maths	Physics	Biology	Hindi
A	180	290	215	190	192
B	210	230	264	228	102
C	285	175	176	186	132
D	185	165	188	136	144
E	225	230	162	98	156

1. The total marks obtained by D and E together in Biology and Hindi together was approximately what percent of the marks obtained by A alone in Maths?

A. 187.32% B. 192.21% C. 181.24%

D. 184.14% E. None of these

2. If the minimum passing marks of any subject was 30% of the total marks of all the subjects together then the marks obtained by B in all the subjects together was how much more than the minimum passing marks of all the subjects together?

A. 584 B. 534 C. 564

D. 575 E. None of these

3. What was the highest total percentage of the marks of all the subjects together secured by any of the given students? (approximately)

A. 56.64% B. 68.93% C. 71.13%

D. 58.34% E. None of these

4. Find the difference between the marks obtained by A and B in all the subjects together and the marks obtained by C and D in all the subjects together?

A. 349 B. 347 C. 345

D. 419 E. None of these

5. The marks obtained in English by all the students together is approximately what percent of the marks obtained in Maths by all the students together?

A. 99.13% B. 99.17% C. 99.34%

D. 99.54% E. None of these

Correct answers:

1	2	3	4	5
D	A	C	E	D

Explanations:

1.

The total marks obtained by D and E together in Biology and Hindi together = 136 + 98 + 144 + 156 = 534

the total marks obtained by A alone in maths = 290

Reqd. % = $534 \times \frac{100}{290}$ = 184.14% approximately

Hence, option D is correct.

2.

Total number of subjects = 5

The total marks of all the five subjects = 300 × 5 = 1500

Minimum passing marks = 30% of 1500 = 450

The marks obtained by B in all the subject together = (210 + 230 + 264 + 228 + 102) = 1034

The required difference = 1034 – 450 = 584

Hence, option A is correct.

3.

The marks obtained by A = 1067

The marks obtained by B = 1034

The marks obtained by C = 954

The marks obtained by D = 818

The marks obtained by E = 871

Since A got the highest marks so the percentage of the marks of all the subject

together will be highest for A

Reqd. % = $1067 \times \frac{100}{1500}$ = 71.13% approximately

Hence, option C is correct.

4.

The marks obtained by A and B in all the subjects together = 1067 + 1034 = 2101

The marks obtained by C and D in all the subjects together = 954 + 818 = 1772

The required difference = 2101 – 1772 = 329

Hence, option E is correct.

5.

The marks obtained in English by all the students together = 1085

The marks obtained in Maths by all the students together = 1090

Reqd % = $\frac{1085}{1090} \times 100 = 99.54\%$

Hence, option D is correct.