2018

CBCS

1st Semester

STATISTICS

(Generic Elective)

PAPER—GE1P

(Practical)

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Statistical Method Lab.

Group-A

Answer *all* questions.

1. The voltage of 24 motor batteries were checked by a 'machine and the readings are as follows :

   16.1, 16.4, 16.2, 16.2, 16.1, 16.4, 16.1, 15.3, 16.7, 16.8, 16.3, 17.8, 16.5, 16.1, 16.1, 16.4, 16.0, 16.3, 16.5, 16.1, 16.3, 16.4, 17.1, 16.5.

Determine

(i) arithmetic mean,

(ii) median,

(iii) geometric mean, and

(iv) harmonic mean

of the above 24 observations. 5

2. Given below are the number of students in a university, in different departments, over a period of five years. Present them in a suitable diagram :

Year	No. of Students				
	Arts	Commerce	Science	Law	Total
1977-78	1783	590	391	400	3164
1978-79	2057	650	478	552	3737
1979-80	2096	723	438	640	3897
1980-81	2252	848	394	689	4183
1981-82	2267	900	554	926	4447

3. For the variables x and y the two regression lines were obtained as $3x + 2y - 25 = 0$ and $6x + y - 30 = 0$. Find the value of y when $x = 12$. 5

4. Laboratory Notebook. 2

5. Viva-voce. 3

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