

B.Sc.- II (Information Technology) CBCS Pattern Semester-III
UBITT306 - Paper-VI : Statistical and Numerical Methods

P. Pages : 2
Time : Three Hours



GUG/W/23/10932
Max. Marks : 40

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram wherever necessary.
 3. Avoid vague answers and write answers relevant and specific to question only.

Either:

1. a) Define secondary Data. Explain the methods to collect secondary data. 4
- b) Define statistics. Discuss scope of statistics in detail. 4

OR

- c) Explain different methods of collection of Data. 4
- d) Explain Arithmetic mean and Geometric mean. 4

Either:

2. a) Explain mean deviation in detail. 4
- b) What is mean by Dispersion? What are the methods of computing dispersion. 4

OR

- c) Explain types of skewness in detail. 4
- d) Calculate Range and its coefficient. 4

Marks:	5-9	10-14	15-19	20-24
No. of student	3	6	4	1

Either:

3. a) Define Index Number? Explain methods of Index Number in detail. 4
- b) Explain the term fisher ideal and Edgeworth method. 4

OR

- c) Explain types and uses of Regression Analysis. 4
- d) Fit the regression equation of x on y and y on x from the following data. 4

x=10	20	30	40	50	60
y=15	5	10	25	30	40

Either:

4. a) Explain error estimation. 4
b) Write a note on chopping and round off error. 4

OR

- c) Write a short note on Blunders. 4
d) Write a short note on: 4
i) Absolute Error
ii) Relative Error
5. Solve all the questions.
- a) Explain the characteristics of statistics. 2
b) Explain correlations Analysis. 2
c) Write a short note on Marshall method. 2
d) Explain significance of error. 2
