SUBJECT: B.Com (Hons)

SEMESTER –I

QUANTITATIVE TECHNIQUES-I

W.E.F- 2018-19

Unit 1: Introduction to Statistics

History -Meaning – Definition –Statistical as data – features of statics – functions of statistics - importance and limitations – Concepts of statistical investigation – procedure of Statistical investigation.

Unit 2: Classification and Tabulation

Concept – Definitions – Functions of classifications – Methods of classifications – Tabulation – Essentials of Good Table – Components of a table - Types of table.

Unit 3 : Diagrammatic and graphical presentation of data

Meaning–features– importance and limitations –Rules of Constructions of diagram- Types of Diagrams. Bar Diagram, Line Diagram, Circle – Graphical Presentation of Data

Unit 4: Central Tendency

Measures of Central Tendency – Requisites of good measure of central Tendency – Mean, Median, Mode, Geometric Mean and Harmonic Mean – Merits and Demerits of Averages of Location of Medium and Mode Graphically

Unit 5: Dispersion

Measures of Dispersion - Requisites of good measures of Dispersion – Range – Quartiles Deviation, Mean deviation, -Variance and Standard Deviation – Coefficient of Variation – Merits and Demerits of measures of dispersion – Lorenz Curve

Reference Books:

1. Quantitative Techineques by Dr. Sathya Devi – S.Chand
2. Business Statistics – Kalyani Publications
3. Business Statistics – Himalayan Publishers

SRI VENKATESWARA UNIVERSITY

B. Com (Hons) I SEMESTER MODEL QUESTION PAPER

SUBJECT:- QUANTITATIVE TECHNIQUES

W.E.F- 2018-19

TIME: 3 HOURS   MAX. MARKS: 75

SECTION-A

Answer any **FIVE** questions. Each question carries 3 marks. **(5**X**3=15)**

1. (a) Meaning of statistics.
(b) Primary data.
(c) Frequency distribution.
(d) Define central tendency.
(e) Tabulation
(f) What is range?
(g) Two properties of Dispersion.
(h) Meaning of Diagrams
(i) Define Standard deviation.
(j) Compute Harmonic Mean : **X: 35,45,89,76,87,52,60**

SECTION-B

Answer **FIVE** questions, choosing **ONE** question from each Unit. (5X12=60)

UNIT-I

2. Explain the functions and limitations of statistics.

(OR)

3. Explain the statistical Investigation and its Procedure

UNIT-II

4. Explain Classification of Data and Methods of classification

(OR)

5. Explain the essentials of Good Table and its components

UNIT-III

6. Present the following data by means of a give Curve

Marks:	10-15	15-20	20-25	25-30	30-40	40-50	50-60
No. of students :	7	19	27	15	12	12	8

(OR)

7. Prepare a suitable diagram to the following data

Item of Expenditure	Food	Rent	Health	Education	Miscellaneous
Family X	1600	800	400	800	500
Family Y	3600	1800	900	400	250

UNIT IV

8. Calculate Mean, Median, for the following data

C.I	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	12	30	34	65	45	25	18

(OR)

9. Calculate Geometric Mean for the data given below

X	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
F	8	10	20	29	37	18	9	6

UNIT-V

10. Calculate mean deviation and standard deviation for the following data

C.I	50-100	100-150	150-200	200-250	250-300	300-350	350-400
F	5	5	8	2	10	7	2

(OR)

11. Calculate Quartile deviation for the following

X	50-100	100-150	150-200	200-250	250-300	300-350	350-400	400-450
Y	5	5	8	2	10	7	2	1