

SEMESTER – I
B.COM HONS/ IFA
BUSINESS STATISTICS
DSC
W.E.F 2018 -19

Scheme of Instruction

Total duration : 60Hrs
Hours / Week : 5
Credits : 5
Instruction Mode : Lecture
Course Code : BC.05.101.16T

Scheme of Examination

Max Marks : 100
Internal Assessment: 40
External Examination : 60
Exam Duration : 3Hrs

Course Objective:

The objective is to impart knowledge on the application of Statistical tools and techniques in business decision-making.

Course Outcome : On Successful completion of the Course, Students will be able to:

CO 1: Gain knowledge on various methods of collection of data for any given statistical purpose.

CO 2: Identify classification of data for business decisions by applying various statistical tools.

CO 3: Analyze the behaviour of statistical data and compare using Measures of Central Tendency and Dispersion.

CO 4: Apply various tests of Skewness.

Unit -I: Introduction to Statistics:12 Hrs

Meaning, Definition, Importance, Functions and limitations of statistics - Collection of data – Primary and Secondary data - Classification of data: Methods and limitations

Unit -II: Presentation of data:

12 Hrs

Tabulation -Parts of Table-Types of tables (Simple and Complex)–Graphs and Diagrams- Simple bar diagrams, Multiple and subdivided bar diagrams–pie diagrams–Histogram–frequency polygon, frequency curve, and Ogive curves

Unit -III: Measures of Central Tendency:

12 Hrs

Requisites of a good measure of central tendency-Mean, Median, Mode, Geometric mean and Harmonic Mean–Merits and demerits of averages –location of Median and Mode graphically.

Unit -IV: Measures of Dispersion:

12 Hrs

Requisites of a good measure of Dispersion-Range, Quartile deviation, mean deviation, Variance and Standard Deviation – Coefficient of Variation – Merits and demerits of measures of dispersion – Lorenz Curve.

Unit -V: Types of Skewness :12 Hrs

Tests of skewness –Measures of skewness (Karl Pearson's and Bowley's methods) - Types of Kurtosis-Measures of Kurtosis based on moments.

Text Book:

1. Business Statistics- S.L Agarwal, S.LBharadwaj, K.Raghuveer –Kalyani Publishers, Revised 2009

Reference Books

- 1.
2. Business Statistics- H.Premraj – Sri Hamsrala Publications, Reprint 2009
3. Business Statistics- B.M Agarwal- Himalaya Publishers, Revised Edition 2010
4. Statistical Methods- S.P Gupta - Sultan Chand Publishers, Revised 2004
5. Business Statistics- A.C.Vaid – Kalyani Publishers