**BHARATHIAR UNIVERSITY: COIMBATORE641 046**

**B. Com (Information Technology) - (CBCS PATTERN)**

(For the students admitted from the academic year **2024-2025 only**)

There is a change in the curriculum for the students admitted in the academic year **2024-2025** in III semester alone.

**The enhanced**curriculum for the students admitted in the academic year 2024-2025 in III semester are as follows

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Part** | **Title of the Course** | **Hours/ Week** | **Examination** | **Credits** |
| **Duration****in Hours**  | **Maximum Marks** |
| **CIA** | **CEE** | **Total** |
|  | **Semester III** |
| I | Language – III  | 4 | 3 | 25 | 75 | 100 | 4 |
| II | English – III  | 4 | 3 | 25 | 75 | 100 | 4 |
| III | Core Paper V - **Corporate Accounting I** | 6 | 3 | 25 | 75 | 100 | 4 |
| III | Core Paper VI **- Programming in C+****( Practical )** | 6 | 3 | 25 | 75 | 100 | 4 |
| III | Allied B: Paper I - **Statistics for Business\*\*** | 5 | 3 | 20 | 55 |  75 | 3 |
| IV | Skill based Subject: **Company Law\*** | 3 | 3 | 25 | 25 |  50@ | 2 |
| IV | Tamil\*\* / Advanced Tamil\* (OR) Non-major elective - I (Yoga for Human Excellence)\* / Women’s Rights\* | 2 | 3 | 50 |  |  50 | 2 |
| IV | NaanMudhalvan Course: Microsoft office Essentials  | 2 |  | 25 | 75 | 100 | 2 |
|  | **Total** | **32** |  | **170** | **505** | **675** | **25** |

**\*Change**

\*The existing Syllabus is followed for Company Law

 **\*\* Find attached the syllabus for Statistics for Business**

**SECOND YEAR - THIRD SEMESTER**

**STATISTICS FOR BUSINESS**

**Unit:1 INTRODUCTION**

 Meaning and Definition of Statistics – Collection of data –– Primary and Secondary - Classification and Tabulation – Diagrammatic and Graphical presentation Measures of Central tendency – Mean, Median, Mode, Geometric Mean and Harmonic Mean – simple problems

**Unit:2 MEASURES OF DISPERSION**

Measures of Dispersion – Range, Quartile Deviation, Mean Deviation, Standard Deviation and Co-efficient of Variation.Skewness – Meaning – Measures of Skewness - Pearson’s and Bowley’s co-efficient of Skewness.

**Unit:3 CORRELATION AND REGRESSION ANALYSIS**

Correlation –Meaning and Definition –Scatter diagram, Karl Pearson’s co-efficient of Correlation, Spearman’s Rank Correlation, Co-efficient of Concurrent deviation. Regression Analysis – Meaning of regression and linear prediction – Regression in two variables – Uses of Regression

**Unit:4 TIME SERIES**

Time Series – Meaning, Components and Models – Business forecasting – Methods of estimating trend – Graphic, Semi-average, Moving average and Method of Least squares – Seasonal Variation – Method of Simple average. Index Numbers – Meaning, Uses and Methods of construction – Un-weighted and Weighted index numbers – Tests of an Index number – Cost of living index number.

**Unit:5 PROBABILITY**

 Probability – Concept and Definition – Addition and Multiplication theorems of Probability (statement only) – simple problems based on Addition and Multiplication theorems only.

**Text Book(s)**

1 Statistical Methods by S.P. Gupta

 2 Business Mathematics and Statistics by P. Navaneetham

 3 Statistics by R.S.N. Pillai and V. Bagavathi

**Reference Books**

 1 Statistics-Theory, Methods & Application by D.C. Sancheti and V.K. Kapoor

2 Applied General Statistics by Frederick E.Croxton and Dudley J. Cowden