# SARDAR PATEL UNIVERSITY
## B. Com. (Honours) (3 Years)
### Specialization in International Accounting and Corporate Banking & Insurance
## Semester: IV
### Syllabus with effect from: December 2016

| Paper Code: UB04CCOH04 | Total Credits: 3 |
|---|---|
| Title of Paper: Business Statistics - II | |

| Unit No. | Description in Detail | Weightage |
|---|---|---|
| 1 | **Correlation**<br>• Introduction and Meaning<br>• Co-efficient of Correlation and its interpretation Types of Correlation<br>• Methods to Study Correlation : Scatter diagram, Karl Person's Person's Product and Spearmen's Rank Correlation | 25% |
| 2 | **Regression**<br>• Introduction and meaning<br>• Regression lines, Regression equations, Regression co-efficients Properties of Regression | 25% |
| 3 | **Analysis of time series**<br>• Time Series: Definition, meaning, uses Components of Time Series<br>• Methods of finding Trend<br>  - Moving Average Method (with period 3, 4 & 5 years)<br>  - Least Squares method (only Linear trend)<br>• Computation of seasonal indices by simple average method | 25% |
| 4 | **Index Number**<br>• Index number : Definition, meaning Uses & limitations of Index Number<br>• Method of constructing of index number<br>  - Laspeyre's IN<br>  - Paasche's IN<br>  - fisher's IN<br>• Test of adequacy:<br>  - Factor Reversal<br>  - Time Reversal Test<br>• Chain Base Index number, Fixed Base Index number, Base shifting | 25% |

**Evaluation  :  Internal :  40 Marks (Theory)**
**:  External:  60 Marks (Theory) – Two Hours Examination**

**Reference Books:**

➢ D. C. Sancheti and V. K. Kapoor: Statistics (Theory, Methods & Application), Sultan chand and Sons, New Delhi.
➢ R. P. Honda: Statistics for Business and Economics, Macmillan, New Delhi
➢ S. C. Gupta : Fundamental of Statistics
➢ B. L. Agrawal: Basic Statistics
➢ Ken Black: Business Statistics