

## **Pre-Ph.D. Course Work Syllabus**

### **Research Methodology (101)**

#### **Unit 1**

- Concepts of Research, Research Process and Planning for Research, Formulation of Research Problem.

#### **Unit 2**

- Research Designs – Exploratory, Descriptive and Experimental Research Designs, Sampling Design.

#### **Unit 3**

- Hypothesis Testing: Parametric and Non-Parametric Tests, Data Analysis.

#### **Unit 4**

- Interpretation of Data and Drawing Inferences, Report Writing, Plagiarism and its prevention, Ethical issues in Social Sciences Research, Ethical Clearance. Nuances in publishing process in academic journals: Citation Index, h-Index, i10-Index, JIF and Journal Metrics.

#### **Unit 5**

- Basic knowledge of Microsoft Word, Excel, Power Point, Internet Resources, Use of SPSS.

### **Review of Literature and Seminar (102)**

1. Project based on review of research work: use of literature, knowledge of national and International Journals, Impact factor, Citation index, SCI Journals. ( To be supervised and evaluated by Guide concerned).
2. Seminars; Open seminar, evaluation will be done by member of DRC.