

Syllabus for Integrated Ph.D Programme

Syllabus: **Methodology**

Paper-I

Marks: **100**

Unit I:

Research and Research Methods:

- i) Concept of Research Components and Types
- ii) Research Methods Scientific, Historical, Experimental Descriptive
- iii) Hypothesis: Concept, Design and Testing

Unit II:

Data Collection and Sampling Design:

- i) Methods of Data Collection: Features and Limitations
- ii) Sampling: Concept, Techniques, Sampling error
- iii) Computer Based Sampling Techniques

Unit III:

Presentation and Analysis of Data:

- i) Presentation Methods: Types and Techniques
- ii) Co-relation and Regression Analysis, Chi Square Test
- iii) Measure of Dispersion and their Significance

Unit IV:

Measurement Methods and Report Writing:

- i) Measurement and Evaluation Scales in Persian
- ii) Report Design and Editing: Citation, Style and Techniques
- iii) Bibliography Measures: Ranking, Obsolescence, Coupling. Impact Factor, Distribution Parameters etc.