

Syllabus of Course Work for Ph.D. (Faculty of Science)

Scheme of Examination for Paper-I:

Time Allowed: 3 hours

Max. Marks: 100

Min. Pass Marks: 40

Paper- I will consist of four units with two questions in each unit. Candidate will be required to attempt 5 questions in all selecting at least one question from each unit. The answer to each question should not exceed 300 words. All questions carry equal marks.

Syllabus for Paper-I: Research Methodology and Computer Application

UNIT- I

Introduction, objective, types and significance of research, research methodology, methods and process of research, formulation of problems, literature survey, research design, variable and sample design, data collection, execution of project.

UNIT- II

Analysis of data, hypothesis testing, significance of test, frequency distribution, descriptive statistics, Chi-square test, cross- tabulation analysis, analysis of variance regression analysis, drawing conclusion.

UNIT- III

Validity of research, preparation of report or thesis, manuscripts, writing for publication, errors in research, criteria of good research problems encountered in research in India.

UNIT- IV

Computer application - Software packages, use of SPSS and other, software packages, use of MS word, excel and internet.

UNIT- V

Mechanics of Writing: Writing Concisely, Avoiding sentence fragments and run-ons, Using Active Voice, Sentence faults : Case and agreement, Sentence faults : Modifiers, Compound and Complex Sentence, Punctuation, Coherence: (i)Parallelism, (ii)Transitions, (iii)Paragraphing, (iv)The overall structure

Syllabus of Course Work for Ph.D. (Faculty of Social Sciences, Humanities, Arts, Commerce, Law and Education)

Scheme of Examination for Paper-I:

Time Allowed: 3 hours

Max. Marks: 100

Min. Pass Marks: 40

Paper- I will consist of five units with two questions in each unit. Candidate will be required to attempt 5 questions in all selecting at least one question from each unit. The answer to each question should not exceed 300 words. All questions carry equal marks.

Syllabus for Paper-I: Research Methodology and Computer Application

UNIT- I

Introduction to Research: Meaning, Nature, Concept, Types, Stages, Objectives.

UNIT- II

Research Design: Concept, Hypothesis, Report Writing.

UNIT- III

Qualitative and Quantitative Methods: Sources and Collection of Data - Types, Techniques, Observation, Questionnaire, Schedule, Interview, Content Analyses, Projective Techniques and Classification & Tabulation of Data.

UNIT- IV

Computer Application: Basics of Computer and Internet, MS Word, MS Excel, Windows, Power Point Presentation.

UNIT- V

Mechanics of Writing:

Writing Concisely, Avoiding sentence fragments and run-ons, Using Active Voice, Sentence faults : Case and agreement, Sentence faults : Modifiers, Compound and Complex Sentence, Punctuation, Coherence: (i) Parallelism, (ii) Transitions, (iii) Paragraphing, (iv) The overall structure