

# UNIVERSITY OF KOTA, KOTA

M.B.S. Marg, Near Kabir Circle, Kota

Course Work for M.Phil./Ph.D.

(Faculty of Science)

SCHEME OF EXAMINATION: There will be two papers as:

Paper-I: Research Methodology and Computer Application

Paper-II: Review of Literature and Research Techniques

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 atleast 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

# UNIVERSITY OF KOTA, KOTA

M.B.S. Marg, Near Kabir Circle, Kota

## Course Work for M.Phil./ Ph.D.

(Faculty of Social Sciences, Humanities, Arts, Commerce and Law)

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Paper-I: Research Methodology and Computer Application

Paper-II: Review of Literature and Research Techniques

### 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