

PREFACE

Ph.D. Coursework is a full time research program intended to impart an advanced course of study to research scholars, with a view to develop their capabilities for critical judgment, analysis and thereby strengthening and developing research skill and its application. The course consists of only one semester to be completed in one year. The Board of Studies to revise the syllabus was held on **1st October 2016**. The distribution of marks in each paper will be made as reflected in the syllabus. Besides Course work, each scholar has to fulfill the following norms for completion of Ph.D. degree.

- (i) Each Ph.D. scholar has to prepare a research proposal for his/her dissertation in consultations with the respective supervisor and the same is to be presented before Dept, Research Board (DRB) at the beginning of semester.
- (ii) Each Ph.D. scholar has to present a seminar paper of his/her research domain in the following months of February and August.
- (iii) Each Ph.D. scholar has to present pre-submission presentation of his/her research work before the final submission of the dissertation to the university.
- (iv) The date of seminars and pre-submission presentation of Ph. D scholars shall be notified to them through respective supervisors in due course of time.
- (v) It may be noted that in all the above cases, the Departmental Research Board/experts shall provide necessary feedback, suggestions to the scholar for improvement of the synopsis and final dissertation. Accordingly, each scholar is expected to comply with feedback, suggestion, remarks if any, in consultation with respective supervisor.
- (vi) Other terms and conditions for admission to the course shall be at par with the existing rules and ordinance of Rajiv Gandhi University.
- (vii) The revised syllabus is to be implemented from the academic session 2016-17.

N.B. The date of seminars and pre-submission presentation will be notified in due course of time.

PH. D. COURSE WORK

With effect from 2016-17

ONE SEMESTER

PAPER – I : RESEARCH METHODOLOGY

**PAPER – II : QUANTITATIVE METHODS AND COMPUTER APPLICATION IN
RESEARCH**

1st SEMESTER

PAPER – I

RESEARCH METHODOLOGY

Total Marks: 100

Term End: 80

Internal: 20

Objective: *To introduce the scholars with fundamentals of Research Methodology and its application during researches.*

UNIT- I: Introduction to Research: Concepts, relevance and scope of research; Social Science Research- Approaches; Research methodology.

UNIT- II: Review of Literature: Need for Review of Literature; Sources of Literature; Literature Search Procedure; planning of review works; plagiarism.

UNIT- III: Planning of Research: Selection & Formulation of Research Problem; Hypothesis; Research Design; Limiting and delimiting the study.

UNIT- IV: Sample & Sampling: Sources of Data; Methods & tools of Data Collection; Questionnaire; Schedules; Sampling Techniques-Types of sampling techniques,

UNIT- V: Report Writing: Planning Report Writing; Types of Reports; Research Report Format; Principles of Writing- Foot notes, end notes, Bibliography, Appendixes; Reference- APA and MLA system.

NB: 20 marks of this paper will carry a report on review of minimum 15 literature on the topic/areas assigned to each scholar.

Recommended books:

1. Dr. B.N. Ghosh : Research Methodology
2. Dr. D.N. Tandon : Research Methodology
3. Vajpayee : Research Methodology
4. Gopalakrishnan : Research Methodology
5. K.R. Sharma : Research Methodology
6. NIRD, Hyderabad : Research Methodology
7. C.K. Kothari : Research Methodology: Methods & Techniques

PAPER – II

QUANTITATIVE METHODS AND COMPUTER APPLICATION IN RESEARCH

Total Marks: 100

Term End: 80

Internal: 20

Objective: *To introduce the scholars with statistical tools and techniques use in researches by the help of computer.*

UNIT- I: Computer application: Fundamentals of computer; MS words; excel; PPT; internet; SPSS; statistical packages and its uses in modern researches.

UNIT- II: Application of measures of central tendencies and dispersion in research: Mean; median; mode; range; variance; standard deviation.

UNIT-III: Quantitative Methods and its application: Multiple & Rank Correlation; Regression Analysis; Time Series Analysis.

UNIT: IV: Statistical Hypothesis: concept; types; framing of hypothesis; procedure of testing; significance level; confidence interval; Types I & II errors; Standard Error.

UNIT- V: Parametric and Non-Parametric Test: T – Test; Z – test; F-Test; Chi-square Test; ANOVA; Delivering Inferences.

Recommended books:

1. Mohan. P. : Computer Fundamentals, Himalaya Publishing House, Delhi.
2. Soni, Vishal : Computer Application in Business, Himalaya Publishing House.
3. Murthy. C.V. : Computer Application in Business, Himalaya Publishing House.
4. S.P. Gupta : Statistical Methods