

SYLLABUS
Of
Course Work
For
Ph. D. in Education

(AS PER UGC REGULATION 2010)

Approved by
Board of Studies (Education)

JIWAJI UNIVERSITY, GWALIOR



Ph.D. (Education) 101: Research Methodology

Max. Marks : 100
External : 60
Internal : 40

- Unit – I Introduction & Research Design**
Research – Definition & Objectives, Methods of Research: Historical, Descriptive and Experimental, Research Process, Research Approaches, Criteria for Good Research.
Research Design, Need of Research Design, Features of Good Design, Different Research Designs.
Ethical Issues in Research: Code of Ethics in Research, Ethics & Research Process.
- Unit – II Data Collection & Analysis**
Types of Data, Methods and Techniques of Data Collection, Primary and Secondary Data, Meta Analysis, Historical Methods, Content Analysis, Devices Used in Data Collection, Pilot Study, Choice of Data Collection Methods.
- Unit – III Sampling Design & Testing of Hypothesis**
Sampling - Definition, Types of Sampling, Characteristics of a Good Sample, Sampling Frame, Sampling Methods, Probability Sample- Simple Random Sample, Systematic Sample, Stratified Random Sample & Multi-Stage Sampling, Non-Probability Sample.
Hypothesis – Meaning, Need for Hypothesis, Qualities of a Good Hypothesis, Types of Hypothesis: Null & Alternative Hypothesis, Sources of Hypothesis, Formulation of Hypothesis, Hypothesis Testing.
- Unit – IV Processing & Analysis of Data**
Measures of Central Tendency vs. Measures of Dispersion, Measures of Variation, Normal Distribution, Measures of Skewness & Interpretation, Correlation & Regression: Types & Applications, Chi-square Test, Its Purpose and Use.
- Unit – V Paper Writing & Report Generation**
Basic Concept of Paper/Thesis Writing and Report Generation, Layout of Research Paper-Research Abstract, Introduction, Review Of Literature, Result, Conclusion.
Concepts of Bibliography and References, Methods of Writing References.
Report Writing, Types of Research Reports, Steps of Report Writing, Methods of Presentation of Report.
Formats of Publication in Research Journal, Impact Factor of Journals, Plagiarism & Self-Plagiarism.

Ph.D. (Education) 102: Computer Applications

Max. Marks : 100

External : 60

Internal : 40

UNIT – I

Introduction to Computers

Basic Terminology of Computers, Computer Generations , Classification of Computers, Input And Output Devices , Central Processing Unit, Computer Memory : Primary And Secondary Storage Devices, Computer Software : (I) System Software (Ii) Application Software (Iii) General Purpose Software, Operating System(OS) :(I) Functions of OS (Ii) Advance Concepts Related To OS – Multiprogramming , Multiprocessing, Multitasking, Spooling, Timesharing, Virtual Memory.

UNIT – II

Preparation of a Document using MS-Word

Introduction To MS Word- Toolbar, Title Bar, The Ribbon, Creating A New Document, Entering Text, Saving And Printing It, Using Paragraph Tab Options, Using Insert Tab- In Creating Tables, Inserting Picture, Clip Art, Shapes And Chart To A Document, Header And Footer, Page Formatting- Margins, Orientation, Text Wrapping , Creating A Reference List And Citations, Use of Spelling And Grammar Checks, Auto Correct, Word Count, Comparing or Combining Document, Editing And Reviewing Document, Macros, Mail Merge.

UNIT – III

Use of MS Excel and MS Power point

Introduction To MS Excel – Spreadsheet or Worksheet Details, Use of Spreadsheet In Research, Data Storing , Various Data Types, Use of Formulae And Functions , Formatting Worksheets - Inserting And Deleting Rows And Columns, Alignment, Creating And Modifying Charts And Graphs, Creating Pivot Table And Pivot Charts, Manipulation And Analysis of Data.

Introduction To MS- Power Point, Features And Functions , Creating And Saving Presentation, Adding Slides To A Presentation, Inserting Animation, Creating Tables And Charts ,Customizing Presentation, Running A Slideshow.

UNIT – IV

Introduction to Internet

Internet And Its Application, World Wide Web(www), TCP/IP, WWW Browsers (Internet Explorer, Google Chrome), Internet Search Engines (Yahoo, Google), Computer Networks- LAN,MAN,WAN, Other Technologies- Mobile Commerce, Bluetooth, Wireless Fidelity (Wi-Fi), Anti-Plagiarism Software, Viruses And Its Types, Protection From Viruses, Firewall, Use of online Sources of Data For Literature Survey.

UNIT – V

Use of Computers in Education Research

Working With Literature Search Engines – Google Scholar, JSTOR, Research Gate, Edmodo, Microsoft Academic search ,ERIC, ISEEK Education, Lexis Web, MDR. Repec: Research Papers in Education, Writing References, Education Software For Reference Arrangement, Introduction to SPSS, Entering Data In SPSS, Use of SPSS In Data Analysis.

Ph.D. (Education): 103–Advance Educational Policies and Planning

Max. Marks : 100

External : 60

Internal : 40

UNIT – I Perspective of Education

Philosophical Perspectives of Education, Sociological Perspectives of Education, Psychological Perspectives of Education, Contemporary and future Perspectives of Education. School Education: Vocationalization of Education, Distance Education and Continuing Education in India. Construction and development of Curriculum, different models and evaluation of Curriculum.

UNIT – II Educational Administration & Technology

Educational Administration- development, Trends and leadership in educational administration. Administrative structure of education at different levels. Transparency in educational administration .

Educational technology, Modification of teaching behavior, Models of teaching, Teaching strategies, Meaning and nature of leadership, Theories of leadership. Measurements of leadership.

UNIT- III Educational Policies: Pre and Post Independent Period

Various commissions of education, National Policy of Education and New Education Policy-2020, its recommendation and educational implications. Performance Appraisal of Teachers, Faculty Improvement Programmes.

UNIT- IV Educational Planning

Educational planning, Approaches of educational planning, Perspective planning, Institutional planning. Educational measurement and evaluation, Measuring instrument and new trends.

UNIT – V Educational Supervision

Educational supervision, Meaning and nature, Supervision as service activity, as process, as functions, as educational leadership, Modern supervision, Functions of supervision, Planning the supervisory program , Organizing supervisory program, Implementing supervisory program. Special education and educational programs, teaching effectiveness, school effectiveness.