

Course Work Structure
M.Phil. & Ph.D. Degree Programme in Education

Paper No.	Paper Name	Credit		Total	Examination			Total Marks	
		T	P		Internal Marks	Total Marks	External Marks		
1	Research Methodology in Education	2	1	3	20	30	50	50	100
2	Statistics in Educational Research & Computer Application	2	1	3	20	30	50	50	100
3	Philosophical and Psychological Foundations of Education	2	1	3	20	30	50	50	100
	Total	6	3	9	60	90	150	150	300

Credit : There Two type of credit

1. Theory Credit
 2. Practical Credit
- 1. Theory 01 Credit 15 Hour of Classroom Teaching
 - 2. Practical 01 Credit 30 Hour of Practical work as per given in Subject Level.

Standard of Passing :

- Obtain Minimum 55 % Marks in Internal assessment as well as External assessment [5% relaxation SC/ST/SEBC]

Format of External Question Paper :

- Q-1 : Answer briefly in 30 to 40 Words (any 10 out of 12) Mark-10
- Q-2 : Answer briefly in 150 to 180 Words (any 4 out of 6) Mark-20
- Q-3 : Answer briefly in 300 to 400 Words (any 2 out of 3) Mark-20

PAPER: 01
RESEARCH METHODOLOGY IN EDUCATION

Credit:

Theory: 02

Practical : 01

Total Credit: 03

Objectives:

At the end of course will be able the students:

1. To understand the theory and practical of research work
2. To acquaint with terms, concepts, hypothesis and definitions of research
3. To acquaint with methodology of research of various types
4. To design and conduct a scientific inquiry
5. To conduct a research review on the selected subject/area
6. To develop a research tool
7. To understand sample, population and its role in research
8. To write a research proposal
9. To write a research paper
10. To write a research report necessary for the university degree

Unit: I CONCEPT OF RESEARCH

1. Research: Meaning, Concept, Nature, Basic Principles
2. Ethics in Research
3. Types of Researches: Classical, Applied, Quantitative, Qualitative, Experimental, Survey,
4. Developmental Correlation, Historical Qualitative: Case Study, Ethnography Narratives, and Phenomenology
5. Selection of Research Problem: Originality, Necessity, Creativity, Innovation
6. Review of Related Literature, Internet Search
7. Variables and Hypothesis: Meaning, Types, Construction, Testing

Unit: II SAMPLING AND TOOL DEVELOPMENT

1. Population and Sample and its types, Sample size, Sampling Error, Representative and Biased Sample
2. Characteristics of Good Sample
3. Tools of research: Characteristics, Types, Uses
4. Research tools: Questionnaire, Opinionnaire, Interview, Observation, Rating Scale, Attitude Scale, Check List.
5. Standardization of Tools: Reliability, Validity and Norms
6. Types of Data: Primary, Secondary and Tertiary Data

Unit: III REPORT WRITING

1. Research Proposal Preparation and Presentation
2. Research Paper Writing
3. Report Writing: Divisions of a Research Report,
4. Supplementary Part: Appendices, References, Abstract, Glossary

Mode of Content Delivery:

Classroom Discussion, Lecture, Library Study, Panel Discussion, Field Work.

Practical Work: [Each Practicum 10 Marks, Any Two Practicum]

1. Conduct a review on area of your choice using Shodhganga.
2. Review two research papers published in refereed journals.
3. Review a doctoral thesis in education.
4. Construct a research tool using standard procedure.
5. Develop a research proposal and present it in front of the class.
6. By develop a research design by selecting a problem of present if before the class.
7. Study an official research document and prepare a paper interpreting graphical representation of data.
8. A critical presentation of the use of statistical technique in testing hypothesis in a research report.
9. Prepare and present a sample research article.

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PAPER: 02
STATISTICS IN EDUCATION & COMPUTER APPLICATION

Credit: Theory: 02 Practical: 01 Total Credit: 03

COURSE WORK OBJECTIVES

1. Students will be able to
2. To Know the Fundamental of Statistics.
3. To Study the Statistical Measures.
4. To Study the Parametric & Non Parametric Tests.
5. To Study the Computer applications in Education.

COURSE WORK CONTENT

Unit: 1 Fundamental of Statistics & Statistical Measures

- 1 Concept of Statistics & Role of Statistics in Education
- 2 Organization & Graphical Representation of Data
- 3 Some Measures: Concepts & Uses, Measures of Central Tendency and Variability
- 4 Coefficient of Correlation: Concepts & Uses, Item Analysis
- 5 Regression Equation: Concepts & Uses

Unit: 2 Parametric & Nonparametric Tests & Computer Application

- 1 Parametric & Nonparametric Data: Concepts & Scales of Measurement, Uses of Parametric & Non Parametric Tests
- 2 Parametric Test: T test, F test (One Way & Two Way ANOVAs)
- 3 Non Parametric Test: Chi Square Test, Sign Test & Median Test
- 4 Application of Normal Distribution
- 5 Concepts of Reliability and Validity, its Type and Uses
- 6 Computer Applications in Educational Research: Word, Excel, SPSS
- 7 E-Resources for educational researches: Shodhganga, e-journals etc.

Practicum

[Each Practicum 10 Marks, Any Two Practicum]

1. A Critical Assessment of Statistical Techniques used by Ph.D. Student in his research Subject.
2. A Critical Assessment of Statistical techniques used in a research report at M.Phil or Ph.D. level.
3. Analysis of data using SPSS or Excel.
4. A Critical Assessment of the use of graphical techniques in research report at M.Phil. or Ph.D. level.
5. Graphical Presentation of the data.
6. E-recourses related to research subject of Ph.D. Student.

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PAPER: 03
PHILOSOPHICAL AND PSYCHOLOGICAL FOUNDATION OF
EDUCATION

Credit: Theory: 02 Practical: 01 Total Credit: 03

Course Objective:

Students will be able,

1. To understand certain schools of philosophy and their contribution to education.
2. To understand the interrelation among knowledge, philosophy and education.
3. To know about humanistic school of psychology and constructivism approach.
4. To understand the theory of learning.
5. To apply different principles and transactional modes.

Unit: I Basic Fundamentals of Educational Philosophy & Psychology

1. Knowledge and philosophy
 - Philosophy and facts
 - Knowledge and facts
 - Comparative study of philosophy and knowledge
2. Inter relative between education and philosophy
 - Acquiring knowledge through education
 - Understanding philosophy through education
 - Inter relation among knowledge, philosophy and education
3. Certain philosophical branches and education
 - Contribution of philosophical branches professed by Gijubhai badheka, Marthin Bubar to educational thoughts.
4. School of psychology:
 - Changing role of teacher and student with specific reference to humanistic School of psychology

5. Theory of learning
 - With specific reference to Operant conditioning of Skinner. Study of Gestalt psychology for learning.
6. Constructivism concept:
 - Approaches to learning implication in classroom learning.

Practical Works: [Each Practicum 10 Marks, Any Two Practicum]

1. Examine any one incident took place on the basis of knowledge and philosophy.
2. Prepare & apply a programmed learning material of a particular unit of any subject.
3. Apply learning strategy on the basis of Gestalt Theory and getting the opinions of the students on it.
4. Develop the teaching learning material for slow learners in any one subject.
5. Visit any expert on working on Humanistic school of psychology and writing a report of that visit.
6. Prepare & apply a lesson plan on the basis of Constructivism theory.
7. Three stories should be selected for in depth study for finding out the message.
8. Assignment is to be given for “active knowledge “the basis of which is “Objective knowledge “(According to Martin buber)

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