

M.Phil. (Education) Programme

(Session 2017-18 onwards)

Course Outline

SEMESTER I

Course	Name of the paper	Course Code	Evaluation Pattern & Marks		Total
			IA	EA	
I	Emerging Trends and Issues in Education	MP-7	20	80	100
II	Research Methodology in Behavioural Sciences	MP-8	20	80	100

SEMESTER II

Course	Name of the paper	Course Code	Evaluation Pattern & Marks		Total
			IA	EA	
III	Study and Development of Research Tools	MP-9	20	80	100
IV	Teacher Education: Principles and Practices	MP-10	20	80	100
	Project Work				

SEMESTER I**MP-7: Emerging Trends and Issues in Education**

Total Marks	Internal assessment	External assessment
100	20	80

UNIT I Interdisciplinary Approach in Education

- Interdisciplinary approaches - concept , need and scope
- Interdisciplinary approach in Teaching
- Interdisciplinary approach in Learning
- Interdisciplinary approach in Research

UNIT II Approaches of Learning

- Lifelong Learning
- Open and Distance Learning
- Co-operative Learning
- Blended Learning
- Flexi Space Learning
- Reflective Learning

UNIT III Processes of Learning

- Inquiry Based Learning
- Brain Based Learning
- Media literacy and Learning

UNIT IV Trends in Education

- Inclusive Education
- ICT in Education
- Life Skill Education
- Multicultural Education
- Alternative Assessment
- Social Constructivism

UNIT V Issues in Education

- Educational Policies
- Wellbeing Education
- Comparative Education
- Development Education
- Citizenship Education
- Economics of Education

UNIT VI Globalization and Education

- Differences between globalization, internationalization, and internationalism
- Paradoxes of globalization
- Global Policies in Education. EFA, MDGs.
- Globalization and educational reform

SEMESTER I**MP-8: Research Methodology in Behavioural Sciences**

Total Marks	Internal assessment	External assessment
100	20	80

UNIT I Research Procedure

- Meaning and objectives of educational research
- Selection of problem
- Review of literature
- Research design, population and sampling
- Tools and data collection
- Statistical analysis of data
- Formulation of conclusions and generalization

UNIT II Research Methods

- Philosophical research
- Historical research
- Descriptive research
- Survey research
- Development research
- Ex-post facto research

UNIT III Experimental Designs

- Meaning and purpose of basic experimental design and basic types of errors
- Difference between research design and experimental design
- Types of experimental design
 - Simple Random design
 - Levels of treatment design
 - Level & Subject design
 - Random Replication design
 - Group with in treatment design
 - Factorial design

UNIT IV Parametric and Non Parametric Tests

- Meaning and purpose of parametric test and non-parametric test
- Difference between parametric and non-parametric test
- “H” test, its meaning, purpose; assumptions and uses
- Analysis of variance technique of “F” test
- Analysis of co-variance technique
- Regression, step regression
- X²-test, its purpose and use
- Median test and sign test

UNIT V Advanced Technique of Correlation

- Meaning and purpose of correlation
- Correlational technique
 - Contingency

- Phi-correlation
- Person's correlation
- Multiple-correlation
- Factor-Analysis Technique with special reference to centroid method

UNIT VI Computer Application in Research

- Use of computers in:
 - Data processing
 - Word processing
 - Graphical processing
 - Different phases of research
- Use of statistical software in data analysis

UNIT VII Writing Research

- Need for writing research report
- Preparing research synopsis
- Format of research report
- Technical aspects of research report
- Writing research report
- Writing research abstract
- Writing research paper

SEMESTER II**MP-9: Study and Development of Research Tools**

Total Marks	Internal assessment	External assessment
100	20	80

UNIT I Research Tools

- Need of research tools
- Nature of data gathering through various types of tools
- Characteristics of good research tools

UNIT II Test Construction

- Theory of test construction
- Nature of four types of errors in measurement (variable), constant, personal and interpretative errors

UNIT III Research Tools

- Principles and step of construction of research tools
- Intelligence, Aptitude, Achievement, Diagnostic, Attitude, Interest, Values and personality tests and their uses in research

UNIT IV Item Analysis

- Item analysis : difficulty value and discriminative power
- Methods of item analysis
- Criteria of selecting and rejecting items including Davis and Stanley methods of item analysis

UNIT V Reliability

- Concept of reliability
- Methods of reliability including Hoyt's analysis of variance method
- Factors affecting reliability indices
- Reliability indices for various types of research tools

UNIT VI Validity

- Concept of validity
- Types of validity
- Methods of estimating validity indices
- Factors influencing validity index relationship with reliability
- Cross-validation and cut-of scores

UNIT VII Standardization of Research Tools

- Concept of norm or standardization of research tools
- Need of standardization or developing norms
- Types of Norms computation and interpretation
- Test manual and its need

UNIT VIII Study of Research Tools

- Study of research tools relating to the area of specialization opted
- Important tests of intelligence, aptitudes, interests, creativity and personality in addition to tests of organizational climate and environmental climate

SEMESTER II**MP-10: Teacher Education: Principles and Practices**

Total Marks	Internal assessment	External assessment
100	20	80

UNIT I Introduction of Teacher Education

- Meaning of Teacher Education and teacher training
- Need of Teacher-education and its scope
- Objectives of teacher-education
- Structure, Models, Course of Teacher education

UNIT II Student Teaching

- Concept, purpose, and scope of student teaching
- Lesson-Planning
- Demonstration and observation of lesson
- Organization and supervision of student teaching
- Evaluation of student teaching
- Problems related to student teaching and solutions

UNIT III Training Technology

- Meaning and scope of training technology Designs and mode
- Training psychology model
- Cybernetic model.
- System analysis model
- Teacher-behaviour modification theory and technique.

UNIT IV In-service Education of Teachers

- Need and Purpose of in-service education
- Historical Development
- Existing structures and models
- Current problems
- Critical evaluation of existing

UNIT V Innovative Practices in Teacher Education

- Meaning of feedback, device and purpose
- Micro Teaching
- Simulated Social skills training
- T-Group Training
- Interaction analysis technique

UNIT VI Research in Teacher Education

- Researches and areas of class room verbal and non-verbal interaction
- Research on teaching
- Research on student teaching
- Research on teacher effectiveness
- Research on learning growth as teacher