

SINGHANIA UNIVERSITY  
DEPARTMENT OF EDUCATION  
M.A (EDUCATION)

**Courses of Reading and Scheme of Examination**

The duration of the course leading to the Degree of Master of Arts(M.A) In Education shall be of two academic year. The examination shall ordinarily be held in the month of April/May on such Dates as may be fixed by the Controller of the Examination. In first year, there shall be five papers which will be compulsory for all students. In the second year there will be three theory papers, which will be optional. A student has to opt three out of five papers. Theory papers will be of 100 marks each(75 marks for external evaluation and 25 marks for internal assessment). In addition , there will be one dissertation of 100 marks(75 marks for dissertation and 25 marks for viva voce)which will be compulsory for all students. The dissertation will be evaluated by External and internal examiners (The supervisor).

In each theory paper , the candidates will be required to attempt five questions , including one compulsory question of short notes, in three hours.

**M.A (EDUCATION) I st year**

Paper	Nomenclature of the paper	Theory	Internal assessment	Maximum Marks	Time	Paper code
I	Philosophical & Sociological basis of Education	75	25	100	3 HRS	MAED 01
II	Psychological basis of Education	75	25	100	3HRS	MAED 02
III	Research Methods In Education	75	25	100	3HRS	MAED 03
IV	Methods and Data Analysis in Education	75	25	100	3HRS	MAED 04
V	Applications of Computer in Education	50	50	100	3HRS	MAED 05

## M.A (EDUCATION) II nd year

Optional papers (any three of the following)

Paper	Nomenclature of the paper	Theory	Internal assessment	Maximum Marks	Time	Paper code
VI	Curriculum Development and Comparative Education	75	25	100	3HRS	MAED 06
VII	Educational Technology	75	25	100	3HRS	MAED 07
VIII	Educational and Vocational Guidance	75	25	100	3HRS	MAED 08
IX	Teacher Education	75	25	100	3HRS	MAED 09
X	Educational Administration and Management	75	25	100	3HRS	MAED 10

\* Dissertation and viva -voce examination:100 marks (75 marks for dissertation and 25 marks for viva voce).

### Syllabus M.A.(P) Education

Time: 3 Hrs.

Max. Marks: 100

(Theory: 75, Internal:25)

Note: Paper setter will set 9 questions in all, out of which students will be required to attempt 5 questions .

\*Question no.1 will be compulsory and will carry 15 marks. It will comprise of 10 short answer type questions of 2.5 marks (30 to 50 words) each to be selected from entire syllabus .The students will be required to attempt 6 questions, out of 10.

\*Two long answer type questions will be set from each of the four units, out of which the students will be required to attempt one question of 15 marks, from each unit.

## **Paper-I: Philosophical & Sociological basis of Education (MAED 01)**

### **Course Contents**

#### **Unit-I**

1. Meaning, definition & functions of Education & Philosophy, Relationship between Education & Philosophy .
2. Indian Schools of Philosophy –Vedanta, Sankhya , jainism , Geeta ,Buddhism and with special reference to the concept of reality, knowledge and values and their educational implications.
3. Contribution of Indian thinkers- Vivekanand, Aurobindo , Tagore, Gandhi and Swami Daya Nand.

#### **Unit-II**

1. Western schools of Philosophy – Naturalism, Idealism, Pragmatism, and realism .
2. Their educational implications For aims, contents and methods of education with special reference to the concepts of Metaphysics, Epistemology and Axiology.
3. Modern concept of philosophy,
  - Logical analysis
  - Logical empiricism
  - Positive relativism

#### **Unit-III**

1. Concept, Meaning ,Nature, Scope & Definition of educational sociology. Relationship between sociology and education.
2. Education as a sub-social system. Education and its relationship with other special sub-system i.e. Family , caste and state.
3. Education and social change-Meaning, nature and factors determining social change , constraints of social changes in India. Marxism theory (with special reference to social change)

4. Education and cultural change- Cultural determinants of education and role of education in bringing cultural change.

## **Unit-IV**

1. Social principles in education-social and economic relevance to education;

-Social-economic factors and their impact on education.

-Socially and economically disadvantaged sections of the society with special reference to Scheduled Caste, and Scheduled Tribe, Women and Rural population.

2. Social philosophy of education in relation to – Democracy, freedom, nationalism, internationalism , freedom, educational opportunity and equality and equity.

## **Paper–II: Psychological basis of Education (MAED 02)**

### **Course Contents**

#### **Unit-I**

Concept, Meaning and Scope of Education and Psychology . Relationship of education and psychology. Meaning and Definition of educational psychology. Methods of educational psychology –Experimental ,Clinical, and Differential.

#### **Unit-II**

Concept of Growth & Development –Meaning & Definition.

Physical ,social, emotional, intellectual or mental development during childhood and adolescence .

Individual differences – concept, meaning and areas .Determinants: Role of heredity and environment in developing individual differences; Implications of individual difference for organizing educational programmes.

#### **Unit-III**

Psychoanalysis learning theories with the class room implications –

- \*Connectionism
- \* Pavlov’s Classical conditioning theory
- \*Skinner’s Operant Conditioning Theory
- \*Field theory contributions of Piaget , Lewin’s & Gagne’s
- \*Flannders interaction Model of Teaching.
- \*Factors influencing learning.

## **Unit-IV**

Intelligence- Meaning & Definition . Spearman two factor theory, multifactor theory, Guilford model.

Measurement of intelligence (two verbal & two non verbal tests )

Personality- Its Meaning, Definition ,Characteristics & Determinants.

Theories of personality- Trait theories .

Assessment of personality by subjective and projective techniques.

Motivation – Meaning ,Definition & theories (Maslow’s theory of hierarchy of needs, Murray’s need theory)

Factors affecting motivation.

Creativity- Concept measurement and creative teaching.

Role of Teacher in igniting and Developing Creativity.

Importance of Creativity in Education.

## **Paper -IIIrd - Research Methods In Education (MAED 03)**

### **UNIT-I**

#### **Concept of educational Research**

-Meaning , definition, nature, need and scope of Educational Research, suggestions for improving educational research

-Scientific inquiry, scientific method, nature & sources of acquiring scientific knowledge.

-Some emerging trends in Educational Research.

## **Building Scientific Education Research Theory**

-Philosophy and scientific theory.

-Hypothesis facts theory.

-Relationship between theory & research.

## **Unit II**

### **Formation of research problem**

-The research problem-its identification, selection sources & criteria

-Definition of the problem.

-Qualities of a good research problem.

-Review of related literature

### **Formulation of hypothesis**

-Meaning , definition, characteristics, significance & types of hypotheses

-Formation of hypothesis & its testing

### **Sampling**

-Concept of population and sample

-Steps and characteristics of a good sample

-Various methods of Sampling .

-Sampling and non-sampling errors.

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## **Unit III**

### **Tools and Techniques of Data Collection**

- Characteristics of a good research tool
- Types of tools and techniques and their use
- Questionnaire, interview , observation
- Projective & socio-metric techniques
- Meaning, types , uses & limitations of attitude scales

## **Unit IV**

### **Major approaches to Research**

- Descriptive Research
- Ex-post Facto Research
- Historical Research
- Basic , Applied and Action Research.
- Experimental Research: Experimental designs.

### **Validation**

- Validation of qualitative analysis
- Major Strategies for validation.

### **Research Report**

- Developing a research proposal(synopsis)
- Writing Research Report and evaluation of research report.

## **Paper-IV    Methods and Data Analysis in Education (MAED 04)**

### **Unit-I**

Nature of Educational Data

Quantitative and qualitative, Scales of measurement,

Organization and graphical representation of data, frequency distribution, frequency polygon, Bar diagram, histogram, Ogive, Lorenz curve, Time series Graph and smoothed frequency polygon

## **Descriptive Statistics**

-Measures of central tendency: mean, median & mode

-Measures of dispersion: range, quartile deviation & standard deviation.

-Measures of relative position: percentiles and percentiles ranks

## **Unit-II**

### **Inferential Statistics**

\*Null Hypothesis

\*Standard error, confidence limits

\*T-test: Significance of difference between Means, Proportions and Percentages (Independent SAMPLES)

\*F-test: one way ANOVA-Concept, Assumption, Computation and uses.

## **Unit-III**

1. Correlation : Meaning, Characteristics, Assumptions, Computation and Uses of :

Product Moment Correlation

\*Rank Difference Correlation

\*Partial and Multiple Correlation : Meaning, assumptions, computation and uses.

\*Difference between correlations



2. Regression and Prediction : Concept, assumptions and computation of linear regression equation standard error of measurement.

#### **Unit –IV**

1. **NPT** (Non parametric tests) Meaning, assumptions, computation and uses of :

\*Chi -square tests of equality and independence , setting up cross breaks for contingency table.

\*Sign test

2. **NPC** (Normal Probability Curve) : Meaning, Significance

\*Characteristics and applications

\*Skewness and Kurtosis

### **Paper-V Applications of Computer in Education (MAED 05)**

#### **Course Contents**

#### **UNIT-I**

#### **Fundamentals of Computer**

-Introduction of computer.

-Block diagram of computer.

-Classification of computer.

-Concept of hardware and software.

-Input/Output devices keyboard, mouse, monitor, printer

-Storage devices

-Computer memory and its units

## **Unit-II**

### **Operating System**

-Windows operating system and its accessories

-MS-Office : an introduction.

i. MS-Word

ii. MS-Excel

iii. Power Point

## **Unit-III**

### **Internet and Multimedia for Education**

-Internet : Introduction and its educational applications

-Server, Modem ,E-mail, Internet surfing for educational purpose.

Concept of Multimedia & its educational uses.

## **Unit-IV**

### **Information Technology & Computer**

-Information technology : introduction & its educational applications.

-Computer Aided Instruction (CAI)

- Computer Managed Instruction (CMI)

-Computer Based Instruction (CBI)

## **Practical Evaluation (50 Marks)**

i. Practical Examination (20 Marks)

ii. Submission of report (20 Marks)

iii. Viva (10 Marks)