

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Syllabus for PET-2016 - Subject: Education

Part	Content	Marks
Part – A	Research Methodology	50
Part – B	Philosophy, Sociology & Psychology of Education	50
	Total Marks Part A & B	100

Part –A) Research Methodology

(50 M)

Unit- 1. Educational Research

- a) Scientific Thinking and Research.
- b) Concept and characteristics of Research in Education.
- c) Philosophical, Psychological and Sociological Orientation in Educational Research.
- d) Types of Educational Research - Fundamental, Applied and Action Research.
- e) Qualitative and Quantitative Research.
- f) Inter disciplinary Educational Research and its implications.

Unit- 2. Research Problem, Research Proposal and Sampling

- a) Sources and Selection of Research Problem.
- b) Statement and Defining of Research Problem.
- c) Review of Related Literature (Abstract / full review)
- d) Sampling.
 - i) Concept of Population and Sample.
 - ii) Meaning and Need of Sampling.
 - iii) Characteristics of a good Sample.
 - iv) Sampling Methods and Techniques.
- e) Research Proposal and Synopsis: Preparation and oral presentation.

Unit- 3. Methods of Educational Research

- a) Historical.
- b) Descriptive - Survey, Expost facto, Field study.
- c) Experimental.
- d) Case Study.
- e) Developmental and Genetic.
- f) Ethnographic.

Unit- 4. Research Tools and Techniques

- a) Types of Scales, Parametric and Non parametric Data.
- b) Research Tools – Questionnaire, Rating Scale, Checklist, Schedules, Opinionnaire, Inventories.
- c) Techniques: Interview, Observation, Sociometric.
- d) Types of Tests - Psychological and Educational Tests.
- e) Standardization of Tests.
- f) Standardized and teacher made tests, CR and NR tests

Unit- 5. Analysis of Data

- a) Data Analysis (Concepts only) – Quantitative & Qualitative, Descriptive & Inferential.
- b) Measures of Central Tendency – Mean, Median and Mode.
- c) Measures of Variability – Range, Quartile Deviation, Standard Deviation.
- d) Measures of Relationship – Concepts of Correlation
- e) Normal Probability Curve and its applications.
- f) Hypothesis - Meaning, types
- g) Testing of Hypothesis.
- h) Use of Statistics for Testing Hypothesis.
- i) One Tailed and two Tailed Tests.

Part –B) Philosophy, Sociology & Psychology of Education**(50M)****Unit- 1. Philosophy and Education**

- a) Philosophy of Education - meaning, need, scope and functions.
- b) Metaphysics and Education - related to Nature, Man & Society
- c) Epistemology and Education: Knowledge and methods of acquiring knowledge with special reference to Dialectical Approach, Scientific Inquiry and Yoga.
- d) Axiology and Education: Contribution of Bhagawad-Gita, Jainism, Buddhism and Islam to value Education.

Unit- 2. Impact of Eastern and Western Schools of Philosophy on Education**a) Eastern Schools of Philosophy**

- i) Advait, Sankhya and Upanishadic.
- ii) Jain.
- iii) Buddhist.
- iv) Islam.

b) Western schools of Philosophy

- i) Reconstructionism.
- ii) Perennialism & Essentialism.
- iii) Existentialism.
- iv) Marxism.

c) Educational Thoughts -Contribution of Educational thoughts and and practice made by great thinkers -

Thinkers - Swami Vivekananda, Ravindranath Tagore, Dr. B. R. Ambedkar, Yogi Aurobindo, Mahatma Gandhi, Plato, Mahatma Phule and John Dewey.

Unit-3.A) Educational Opportunity and Excellence in Education

- a) Education and Democracy.
- b) Constitutional provision for education.

B) Modern Views In Education

- a) Continues education – Need, importance and objectives.
- b) Distance education – concept and programmes in India.
- c) Education for disadvantaged – Need and objectives.
- d) Education for oppressed – the views of Powlow Freire.
- e) De-schooling society – the views of Evan Elich.
- f) Education for Liberalization, Privatization and Globalization.
- g) Education for International understanding.

Unit-4.A) Learner and Learning

- a) Definition of Learner & Learning
- b) Nature &Types of Learning
- c) Co-operative Learning
- d) Application of Learning theories – Gagne, Carl Roger's

B) Learning Environment

- a) Physical environment instructional time, discipline.
- b) Differences in learner & there needs in the context:
 - i) Oversized classroom ii) Socio cultural diversities iii) Economic diversities
- c) Inclusive environment in the classroom for all types learners
- d) Holistic approach about learner's development and learning
- e) Learning difficulties at Primary & Secondary level students

Unit- 5. Mental health and adjustment

- a) Concept of adjustment and mental health
 - b) Characteristics of mentally healthy person
 - c) Principle of Mental health
 - d) school and classroom practices for enhancing adjustment and mental health among the students
 - e) Mechanism of adjustment
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