

SWAMI RAMANAND TEERTH
MARATHWADA UNIVERSITY, NANDED

Syllabus

PET – Entrance Examination

Faculty of Education

Section B

(Under Graduate level course content for multiple Choice questions)

1. Philosophical Foundation of Education

- * Association of Education with Philosophy
- * Education: meaning, nature, scope, types, characteristics and aims
- * Western schools of educational philosophy - their impact on aims, curriculum and methods of education with special reference to - Idealism, Naturalism, Pragmatism
- * Curriculum : meaning, types and approaches and principles of curriculum construction
- * Functions of Education in Liberalization, Privatization and Globalization.

2. Sociological Foundation of Education

- * Meaning and nature of Educational sociology and Sociology of education
- * Indian Constitution: Preamble, articles and directive principles related to education.
- * Meaning and factors of social change and role of teacher in it.
- * Knowledge society, education for peace education for green and clean society.
- * Education for minority and deprived classes
- * Education or economic development and women empowerment.
- * National Integration : concept, need, importance and hurdles

3. Psychological Foundation of Education

- * Education Psychology: Meaning, nature, scope, branches, limitations and use of educational psychology to the teacher
- * Methods of studying Educational Psychology – introspection, observation, experimental, case study.
- * Growth and development: concept, characteristics, difference and stages of development.
- * factors influencing growth and development
- * Learning process : meaning, nature and characteristics & learning curve
- * Learning theories - Thorndike, Pavlov, Skinner, Maslow

- * Attention – meaning, types and features
- * Motivation – concept, types, importance and Maslow’s hierarchy of needs.
- * Memory and forgetting – concept, factors of memory, characteristics of good memory, importance in learning.
- * Theories of Intelligence (Spearman’s Two Factor Theory, Theory of SI Model by J.P. Gilford, Gardner’s theory of Multiple intelligence)
- * Personality: meaning, nature and types and theories of Personality – Alport, Sigmand Freud, Rogers .

4. Educational System in India and Management

- * Historical Review of Indian Education – Vedic Buddhist and Islamic Education system,
- * Education in pre-independence Era (Macaulay’s minutes of 1835, Wood’s Dispatch-1854, Sergeant report of 1944, University Commission 1948)
- * Education in post- independent Era (Kothari commission, National Education Policy 1986 revised NPE 1990, Program of action 1992- Rammurti commission, UNESCO commission on education 1993-96)
- * Types of Schools: Nayodaya, Sainik, Public & School related in hilly area. Open & Closed types of School, Granted & Non granted Schools
- * Concept, characteristics, process and functions of management
- * Leadership: concept, styles and qualities.
- * School Plant: Building, Classroom, Furniture, Library, Laboratory, Play ground, Electricity & Water Supply
- * Functions & qualities of Teacher, Asst. Head Master / Supervisor, Headmaster
- * Areas of Management-Time, Classroom, Co-ordination, Co-curricular, Disaster etc
- * Problems in secondary and higher secondary education: wastage and stagnation, crowded classes, dropouts, discipline problem in school.

5. Educational Technology

- * Concept of Educational Technology & Hardware and Software involved in Educational Technology
- * Technology of Education - Microteaching, Programmed instruction, Computer Assisted Instructional systems
- * Concept, need and importance of Internet
- * Facilities available for communication - E-mail, Chat, E-Library, Websites, Wikipedia, Blog
- * Legal and Ethical issues: Copyright, Hacking, Netiquettes, types of viruses and it's management.
- * Computer, Definition, Structure of Hardware and Software.
- * Software i) Operating System - Concept and function.
ii) Application Software (It uses in Education)
 - a) Word Processors
 - b) PowerPoint Presentation
 - c) Spread sheet,
 - d) Database Management

6. Educational Evaluation, Action Research and Statistics

- * Concept, meaning and importance of Measurement, assessment and Evaluation
- * Various Evaluation approaches: Formative- Summative, Qualitative- Quantitative, continuous comprehensive evaluation etc.
- * Characteristics of good measuring techniques and factors affecting them
- * Quantitative and Qualitative tools in evaluation process.
- * Action Research: Meaning, nature, scope, uses and limitations
- * Need and Importance of Educational Statistics
- * Meaning, Characteristics and problems - a. Mean, b. Median c. Mode.
- * Meaning, Types of correlation

7. Environmental Education

- * Concept, Nature and scope and importance of Environmental Education
- * Environmental Pollution: types (Radio active pollution. Solid waste Pollution, Air pollution, water pollution.) and causes
- * Advances in Pollution control Technology
- * Environmental Health & Human Society
- * Disaster : definition, types, causes, effects and disaster management

8. Guidance and Counseling

- * Meaning, Nature, aims and importance of guidance
- * Need, techniques and types of counseling.
- * Guidance programmer - essential activities
- * Career guidance and personal social information.
- * Information about education and training opportunities of primary, secondary and higher secondary level.

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4. Methodology of Educational Research

- * Educational Research: Concept, meaning, nature, need and purpose
- * Types of Research: Fundamental, Applied and Action Research, their meaning and characteristics
- * Scientific Inquiry and Theory Development-some emerging trends in research
- * Concept of population, sample, various methods of sampling and Characteristics of a good sample
- * Tools and Techniques of data collection, their characteristics, types, limitations and uses : Questionnaire-Interviews-Observations, Tests and scales, Projective and socio metric techniques
- * Qualitative and Quantitative Approaches to Research: concept, characteristics, uses and limitations with special references to - Descriptive Research, Ex-post facto Research, Laboratory Experiment, Field Experiment, Field Studies, Historical Research
- * Major educational researches in India and future priorities
- * Research report: sections (Preliminary part, main body, reference section) and Skills of writing research report

5. Application of statistics to Educational Research

- * Descriptive and Inferential Statistics, Hypothesis: types, characteristics, Limitations, test of significance, types of error, one-tailed and two-tailed test
- * Application of statistical tests and their interpretation
- * Non-parametric tests (Chi-square test)
- * Partial and multiple correlation

6. Teacher Education

- * Concept , aim and scope of teacher education
- * Consecutive and integrated approach to teacher education

- * Present System of teacher education in India – a study of the various recommendations of commissions and committees in the post independence era.
- * Models of Teaching: Concept Attainment Model, Inquiry Training Model, Problem solving model and inductive thinking model
- * Competency based teacher education, quality assurance in teacher education

7. Educational Technology

- * E.T. : Concept, meaning, nature, scope , significance and components
- * Emerging trends in Educational Technology
- * Micro Teaching, Flanders interaction analysis and Simulation
- * Various resource centers for Educational Technology
- * Meaning and types of Programmed Instruction
- * Research in Educational Technology and future priorities in E.T.
- * Designing of instructional strategies such as Lecture, Team Teaching, Seminar, Tutorials and Discussion.

8. Educational Management

- * Meaning , nature, scope and principles of modern scientific management
- * System approach to operational management in education
- * Functions of Educational managers
- * New trends and research in educational management
- * Leadership: Meaning, styles and theories of leadership

9. Special Education

- * Meaning and scope of special education
- * Concept of universalisation of education
- * Exceptional learners, types and their specific characteristics

- * Concept of educational intervention, main streaming
- * Special School - nature and objectives
- * Educational programs and placement of the various types of exceptional children.

10. New Trends in Education

- * Need and importance of Value Education and Education for Human rights in existing social scenario
- * Evaluation of science over the centuries, role of science in the 21st century information society and the emerging educational scenario
- * Different types of Yoga system and characteristics of yoga practitioners