

RET SYLLABUS FOR DEPT. OF EDUCATION

1. PHILOSOPHICAL, PSYCHOLOGICAL & SOCIOLOGICAL FOUNDATIONS OF EDUCATION

Course Content:

Relationship between Education and Philosophy
Meaning, nature and scope of Philosophy of Education
Function of Philosophy of Education
Aims of Education in Relation to Philosophy of life

School of Philosophy:

Idealism, realism, naturalism, pragmatism, existentialism, with special reference to the concepts of knowledge, reality and values their educational implications for aims, contents and methods of education.

Educational Psychology: Concept, concern and scope of Educational Psychology contribution of psychology to education.

Relationship of Education and Psychology
Intelligence-its meaning, theories of measurement
Creativity-its meaning, process, identification, measurement & fostering
Relationship between intelligence & creativity

Learning and Motivation
Theories of learning--- Thorndike is connectionism; Pavlov's classical and Skinner's operant conditioning; Learning by insight; Hull's reinforcement Theory and Tolman's theory of learning, Lewin's Field Theory
Gagne's hierarchy of learning
Factors influencing learning
Learning and motivation
Transfer of learning and its theories.

Relationship of Sociology and Education
Meaning and nature of Educational sociology and Sociology of Education
Education and modernization

Education and culture
Education and democracy
Socialization of the child

Meaning and nature of social change
Education as related to social stratification and social mobility
Education as related to social equity and quality of educational opportunities

Education of the socially and economically disadvantaged sections of the society.
With special reference to scheduled castes and scheduled tribes, women and rural population.

2.MEASUREMENT AND EVALUATION IN EDUCATION & EDUCATIONAL TECHNOLOGY

Concept of measurement and evaluation in Education. Different types of measuring scales, need for measurement and evaluation in education.

Placement, diagnostic, formative and summative evaluation-Role of teachers in an evaluation programme. Taxonomy of educational objectives(cognitive, affective and Psychomotor)-specification of objectives steps in the process of evaluation.

Major tool and techniques in educational evaluation.Different types of tests-teacher made Vs standardized,criterion-referenced Vs. norm referenced tests. Essential qualities of good measuring instrument.

Education tests: measurement of Achievement-construction of achievement test and standardization. Relative merits and demerits of using different types of test items. Diagnostic test-construction and usefulness.

Reliability-concept, determining factors-methods of determining different reliability coefficient. Validity-concept and use-types of validity- determination of validity co-efficient-relation between validity and reliability. Trends in Evaluation: Grading, Credit System, Cumulative Record Card. Computer in Evaluation.

Meaning, nature, scope and significance of educational Technology

Components of Educational Technology-Hardware, Software

Systems approach in educational Technology

Multimedia approach in educational Technology

Concept of Communication

Teaching Aids-Psychology of using Teaching Aids. Types of Teaching Aids-Non projected Projected and Audiovisual Aids. Computer as Teaching Aid.

Fundamentals of computer applications and research uses

3. **RESEARCH METHODOLOGY & STATISTICS IN EDUCATION**

Methods of acquiring knowledge

Educational research: Meaning, types, scope

Quantitative research

Qualitative research

Review and importance of related Literature

Selection, definition and Evaluation of research problem

Hypothesis: Meaning, Types, characteristics and Testing of hypotheses.

Preparation of the research proposal

Sampling

Tools and Techniques research.

Different Type of studies in Educational research

Descriptive research

Experimental Philosophical & Historical studies

Qualitative research

Ex-post Facto research

Action research

Analysis and Interpretation of Data:

Analysis of quantitative Data-Descriptive statistical Measures

Analysis of Quantitative Data: Inferential statistics (based on parametric tests

Analysis of Quantitative Data: Inferential statistics based on non parametric test

Analysis of Quantitative Data: (with techniques)

Computer data analysis

Research report and dissemination