

EDUCATION

PART – A : RESEARCH APTITUDE

Unit-I. Introduction to Educational Research : Meaning and Definition; Functions of Educational Research; Source of Knowledge; Fundamental, Applied and Action Research; Quantitative and Introduction to Qualitative Research.

Unit-II. Research Problem : Meaning and Definition; Sources of Problem; Criteria of Good Research Problem; Identification of Research Problem; Formulation of Research Problem; Delimitations of Problem; Variables: types and operationalization.

Unit-III. Hypotheses: Meaning and types; Functions of Hypothesis; Sources of Research Hypothesis; Characteristics of a good Hypothesis; Need and Significance of Hypothesis testing.

Unit-IV. Review of Related Literature : Meaning of related literature and its review; Purpose of review of related literature; Sources of related literature; Writing research report.

Unit-V. Sampling : Concept of population, sample and sampling; Characteristics of good sample; Sampling Methods: Probability and non-probability; Sample size and sampling errors and their eradication.

Unit-VI. Methods of Educational Research : Philosophical and Historical Method; Experimental Method.

Unit-VII. Tools of Data Collection : Introduction, Construction, Administration and precautions in use of Questionnaires, Rating Scales, Schedules, Interview, Observation and Checklist, Content Analysis frame and Sociometry; Characteristics of good research tools.

Unit-VIII. Report Writing : Categorization of in different type of Researches; Coherence of review, objectives, hypotheses, and data collected Analysis and Results.

Unit-IX. Statistics in Education: General introduction to nature of data, Scales of measurement, Graphical representation of data, Central Tendencies, Concept and Calculation of correlation, Deviation and NPC and its uses.

Unit-X. Reliability of statistics, CR test, t test for independent and correlated groups, Two tailed and One tailed test, Type one and type two errors, Chi-Square Test.

Unit-XI. Median Test, Analysis of Variance – One Way and Two Way Classified Data.

PART – B : EDUCATION

Unit-I. Meaning and Scope of Philosophy of Education; Relationship between Education and Philosophy.

Unit-II. Indian Schools of Thought and their educational contribution – Vedic, Buddhism and Islamic Traditions; Western Philosophies and their educational contribution – Nationalism, Idealism, Pragmatism, Realism and Existentialism.

Unit-III. Meaning and Scope of Sociology of Education, Education as a Sub-System, Education as a process of Socialization.

Unit-IV. Concept and Nature of Culture, Social Change, Social Satisfaction, Democracy and their relationship with Education. Role of Education in developing the feeling of Nationalism and International understanding.

Unit-V. Concept of scope of Educational Psychology, relationship between Psychology and Education.

Unit-VI. Theories of learning with their Educational implication: Thordike's connections, Pavlov's classical and Skinner's operant conditioning, Hull's reinforcement Theory, Motivation – Concept and Theory of motivation, Intelligence. Nature and theory of Intelligence; Measurement of Intelligence, Concept and Nature of Creativity. Major and stage of the theories of Piaget and Bruner.

Unit-VII. Education in India during Vedic, Buddhist and Medieval periods; Educational Contributions of Macaulay Minute, Wood's dispatch and Wardha Scheme of Education.

Unit-VIII. Major recommendations of University Education Commission, Secondary Education Commission, Education Commission and NPE 1986.

Unit-IX. Organization and Types of teacher education at various level of education. Formal and Distance Mode of teacher education, in service and pre service teacher education. Special Teacher Education Programme. Preparation of Teacher Educator.

Unit-X. Components of Teacher Education Programme – Teaching, Lesson Planning, Micro Teaching, Supervision and feedback, Competency based Teacher Education.