

14. EDUCATION

Philosophical Foundations of Education:

1. Branches of philosophy, Metaphysics, Epistemology and Axiology.
2. Philosophy and Education, Schools of Philosophy- Idealism, Realism, Naturalism, Pragmatism, Marxism, Existentialism and Humanism.
3. Indian Schools of Philosophy- Vedanta, Buddhism, Islam.
4. Contribution of Tagore, Gandhi, Vivekanand, Aurbindo, J Krishanmurti and Gijju Bhai.
5. Modern concept of Philosophy : Logical Positivism.

Sociological Foundations of Education:

1. Meaning of Sociological tendency. Its influence on education.
2. Social Change- Westernization, Modernization, Cultural lag and Social Mobility.
3. Social Thoughts of Durkheim, Sorokin, M.N Srinivas and Radha Kamal Mukerjee.
4. Issues of equality of educational opportunity, Equality vs equity in education.
5. Education and Religion : Education and Democracy; Education and Politics.

Psychological Foundations of Education:

1. Development of Concept formation; logical reasoning; problem solving; language development.
2. Major Theories of Learning- Association Theory; Insight Theory; Cognitive Field Theory.
3. Biology of Learning- Implications of findings of Neuroscience.
4. Guilford's Structure of Intellect (SI) and Howard Gardner's Theory of Multiple Intelligence.
5. Personality- Psychoanalytic Approach of Freud, Behavioral Approach of Miller and Bandura, Humanistic Approach of Maslow.

Methodology of Educational Research :

1. Nature and scope of Educational Research.
2. Formulation of Research Problem.
3. Development of Hypothesis in various types of research; Directional and Non- Directional Hypotheses.
4. Probability and Non- Probability Sampling techniques.
5. Characteristics of a good sample and sampling techniques.
6. Variables and their types.
7. Characteristics of a good research tool.
8. Major Approaches to Research- Descriptive Research, Ex- Post Facto Research, Field Studies, Historical Research.
9. Data Analysis- Quantitative and qualitative data, Application of T- Test, F- Test and χ^2 .
10. Partial and Multiple Correlation.

Educational Administration

1. Taylorism Theory of Educational Administration
2. Human Relation Approach in Administration.
3. Theories of Leadership.
4. Styles of Leadership.
5. Approaches of Educational Planning.
6. Institutional Planning.
7. Modern Supervision.
8. Functions of Supervision.
9. Organizing Supervisory Programme.
10. Implementing Supervisory Programme.

Educational Measurement

1. Educational Measurement and Evaluation- Concept, Scope, Need and Relevance; Essay and Objective Type Tests, Scales, Questionnaires, Schedules and inventory.
2. Reliability and Validity of a test.

3. Steps in Standardization of a test.
4. Measurement of achievement, intelligence and interests.
5. New trends of Measurement and Evaluation- grading, semester, continuous internal assessment and qualitative analysis.

Educational Technology

1. Systems Approach in Educational Technology and its characteristics.
2. Components of Educational Technology : software, hardware and multimedia approach in education.
3. Stages of Teaching - Pre- active, interactive and post active.
4. Modification of Teacher Behaviour : Micro Teaching, Flander's Interaction Analysis System.
5. Models of Teaching- Concept. Different families of teaching models.
6. Analysis and Designing of Instructional Strategies such as : Lecture, Team Teaching, Discussion, Panel Discussion, Seminar and Tutorial.
7. Distance Education and Open Learning.

Special Education

1. Meaning of Special Education, Need of Integrated Education.
2. Characteristics of mentally retarded children and teaching strategies for them.
3. Characteristics of visually impaired, etiology and prevention.
4. Characteristics of hearing impaired, etiology and prevention.
5. Educational Programmes for orthopedically handicapped learners.
6. Identification of Learning Disabled Children and Educational Programmes for them.
7. Identification of Gifted and Creative Children and Educational Programmes for them.
8. Types of Juvenile Delinquents and Educational Programmes for them.

Teacher Education

1. Historical development of Teacher Education in India : Teacher Education in various Commissions.
2. Aims and objectives of Teacher Education at different levels.
3. Pre- Service Teacher Education and its various levels.
4. Teacher Preparation in Specific fields such as : Physical Education, Art and Craft, Music and Special Education.
5. In-service Teacher Education
6. National and state level agencies involved in Teacher Education.
7. National Council for Teacher Education. Its impact on Teacher Education.
8. Problems of Teacher Education.
9. Distance Education System and Teacher Education.
10. Strengthening Teacher Education Programme according to National Policy on Education, 1986.