

Course Contents:**SECTION-A****UNIT-I METHODOLOGY OF EDUCATIONAL RESEARCH**

- Concept of Knowledge and research; Educational Research; Research process cycle and Research paradigm, Research problem, Variable, Hypothesis, Review of related literature, Quantitative and Qualitative research; Experimental and Applied research; Survey research; Co-relational research; Historical research; Case study; Ethnographical research and Mixed Research.
- Population and sample; Sampling method; Research tool for collection of data; Concept of data; Rules of graphical representation of data; Measurement of variables; Measures of central tendencies and Measures of dispersion; Normal Distribution Curve; Correlation; Concept of parameter and statistics, Sampling distribution and Standard error of mean; Hypotheses and its testing: Testing of null hypotheses: Concept of degree of freedom, Significance level & its determination and Area of rejection
- Thesis writing: its characteristics and format

UNIT II DATA ANALYSIS

- Parametric and Non-parametric statistical test, Analysis of frequency using t-test, Type-1 and Type-2 errors; ANOVA.
- Computer for data analysis: General introduction to Software Package and Microsoft EXCEL in analysis of data in educational research,

SECTION-B**Course contents:****UNIT I Philosophical Foundations of Education**

- Education: Concept, Aims and objectives; Education as a discipline; Bloom's taxonomy of educational objectives; Importance, forms and agencies of education; Concept and aims of Indian Knowledge System: Elementary, Secondary and Higher education; Elements of quality elementary and secondary education; Environmental education; Natural Resources and disaster management.
- Philosophy and *Darshana*, Relationship between Philosophy and Education; Educational Philosophy and Philosophy of Education; Educational thoughts of



Mahatma Gandhi, Ambedkar, J Krishnamurti, Tagore, Vivekanand, Savitribai Phule, Froebel, Dewey, Paulo Freire and Rousseau.

- Schools of Philosophy: Indian (Vaishesika, Nyaya, Samkhya, Yoga, Purva Mimansa and Vedanta) and Western (Idealism, Naturalism, Pragmatism, Realism, Humanism and Existentialism)

UNIT II Sociological Foundations of Education

- Educational Sociology, Social change, Education as a social institution, Education as a social system, Theories of social system; Modernization, Cultural lag, Westernization, Socialization, De-socialization vs re-socialization; Sanskritization; Equality of Educational Opportunities, Democracy and Education, Ideals enshrined in Indian Constitution and Education, National and Emotional Integration, International Understanding; ECCE, RTE Act-2009, RUSA, Samgra Shiksha.
- Child rights, Human rights and Women right; Role of PRIs development of Education; Education and HDI, Economics of Education, Education and employment, Privatization and liberalization in education, Economic Planning and Economic Development; Role of international bodies like, UNDP, WHO, UNICEF and World Bank in the development of education
- Concept of sex and gender, Gender identity and gender roles, Assisted Reproductive Technology (ART) in human and motherhood, Feminism and Patriarchy, Women Empowerment through education, Issues and concerns of transgender; Gender inequality in Indian education system, Discourse of LGBT, Socialization practices in family, School; Role of school environment, curriculum and textbooks in challenging gender inequalities, Life Skills and Sexuality, Women Education and Law.

Unit III Psychological Foundations of Education

- Concept of Psychology and Educational Psychology; Approaches to study human behaviour; Growth & Developmental: concept, principles, stages and theories, Heredity and environment; Learning: Nature, level and theories (Thorndike, Pavlov, Skinner, Insight, Gagne), Transfer of learning & Training; Advance Learning Theories- Gagne, Hull's Reinforcement theory and Levin's Field theory; Maslow's hierarchies of need.
- Motivation; Classroom Motivational Techniques; Attention, Thinking, Memory and forgetting, Intelligence, Creativity, Personality, Mental Health & hygiene, Concept and

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application of Educational Guidance and counselling, Inclusive Education: concept, need and application, Education of CWSN, The PwD Act, 1995; PWD Act, 2016.

- Curriculum development: Concept, characteristics and process, Models and principles of curriculum construction, Manifest, hidden and null curriculum, Evaluation in curriculum, Models of curriculum development: Administrative, Demonstration, Grass root, System analysis

UNIT IV *Development of Education in India*

- Vedic Education System, Buddhist Education System, Medieval Education System, Macaulay minutes and downwards filtration theory, Wood's Despatch-1854, Hunter Commission-1882, Indian University Commission, Calcutta University Commission-1917, Hartog Committee-1929, Wardha Education Policy-1937, Sargent Commission-1944, SUPW.
- Radhakrishnan Commission-1948-49, Secondary Education Commission-1952-53, Kothari Commission-1964-66, National Education Policy-1968, New Education Policy-1986, Delor's Report; National Curriculum Framework-2005; National Knowledge Commission (NKC); NEP-2020
- Concept of Pre-service and In-service teacher education, A brief review of historical perspective of the development of teacher Education, Educational and classroom management. Regulatory and advisory bodies: UGC, NCERT, NCTE, CBSE.; Privatization, Commercialization and Liberalization of Teacher Education; Autonomous status of Indian Institution; De-schooling and Futurology.

UNIT V *Educational Evaluation, Management and Technology*

- Measurement, Evaluation and Assessment (Summative and formative); Semester system & Grading; CCE, CBCS, Grading System, Open Book Examination, Levels of Measurement, Assessment of, as and for learning, Characteristics of measuring instruments, Observation and projective techniques, Concept of Reliability and Validity and their procedure of estimation NRT and CRT; Question bank, Online and on demand examination;
- Popular theories of administration and Management in the context of education, Managerial Skills, Team Building and Negotiation, Educational Leadership, Various approaches of Educational Planning, Supervision verses Inspection, TQM in Education,



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e-Governance.; Concept and types of telecommunications and Information Theory;
Expository and Creative writing

- Educational Technology, Types and approaches of educational technology, Communication- process, components and types, Barriers of communication, Phases, variables and level of teaching, Principles and maxims of teaching, Models of teaching, Approaches and methods of Teaching, Micro-teaching, Simulated teaching and practice teaching, Flander's classroom interaction analysis; Teaching aids, ICT in Education, Open Educational Resources (OERs); Programmed instruction; Distance education, e-Learning, INSAT, EDUSAT, Internet & Intranet, Functions of CIET, EMRC, State ET cells and DIET.
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