UNIT – I  Education in Ancient India
   • Education in Vedic and Buddhist period-education in Gurukuls, Vihars and Madrasas, Teacher pupil Relationship
   • Education in Medieval period

UNIT – II  History of Education in India during pre Independence Era
   • Salient features and major recommendation of Macaulay’s minute, woods Dispatch, Hunter Commission, Indian Universities Commission

UNIT – III  History of Education in India during Post- Independence Era
   • University education commission 1952-53
   • Indian education commission 1964-66
   • Educational policy Statement 1968
   • NPE – 1986 and 1992

UNIT – IV  Educational Experience in India
   • Wardha scheme-Basic Education of Gandhi
   • Shantiniketan-Experiments of Education and Politics
   • Dayanand Vidyalaya
   • Jamia Millia and Banasthali Vidyapeeth

UNIT – V  Current Education in Indian Education
   • UPE, Universal primary Education
   • Literacy Campaign
   • Sarva Skisha Abhiyan
   • Education and Globalization, Privatization of Higher Education
   • Work Experience, Vocationalization of Education

Reference Books :

MARKS : 35
UNIT - I
- Educational Technology-Meaning & Definition, scope and significance
- Development of Educational Technology
- Technology in Education and Technology of Education
- Difference in Educational Technology, Instruction Technology and Information Technology
- Forms of Educational Technology
- System Approach in Education-Concept sub, system and closed and open system application of system approach to Instruction. Advantages of adopting system approach in education

UNIT - II
- Hardware and software Technologies: meaning and development of hardware technologies in education
- Video hardware-non projected programmed text books and teaching machines. Projected overhead projector, LCD projector, paper presenter technology and uses.
- Audio hardware-Recorder, radio & interactive broadcasting class room
- Audio-Video/Instructional Television Importance and scope closed circuit television

UNIT - III
Technology and uses. Computers in Education meaning of computer assisted and computer managed learning application in education
- Communication technologies: concept process, elements sender, receiver, message and media. Types of communication. Media in communication-Print media
- Models of Teaching – Definition and characteristics families of models of teaching. Information processing modes-inquiry training concept attainment advance organizer. Social interaction model – jurisprudential personal development model – non directive teaching modification programmed Instruction

UNIT - IV
- New Technologies-Interactive (Computer mediated) video and its use in Education hypertext tale text video, digital, white board Decoder
- Computer technology-Computer as an educational tool, Type of Computer (According to size and function)
- Computer accessories used for educational purpose-scanner, OMR, digital camera web camera different kinds of microphones and there uses
- Internet: Meaning and its working
  Virtual Reality, virtual University, Artificial intelligence
UNIT – V

Mass media approach in technology:
- Meaning a definition of mass media
- Types and function of mass media
- Mass media in education, present status of educational mass in India
- Difficulties in the use of mass media
- Characteristics of media Planning and arrangement
- Multimedia package for effective class room instruction

Reference Books:
UNIT – I
Nature of Research Knowledge and Inquiry
- Scientific inquiry; Scientific Method, nature and source of knowledge
- Paradigm, theory model and approach: positivist and not positivist (humanities) paradigms and their implications for educational research
- Educational Research – Meaning, nature, need, scope and basic assumption. Levels of research – basic, action and applied, quantitative and qualitative ethnographic and phenomenological, History of development of educational research, philosophical and Psychological and orientation in educational Research, inter-disciplinarily in Educational research and its implications
- Basic Elements of Research : problem and variable; types of variables-their characteristics and relations
- Methods of educational Research : Experimental, Normative Survey, Historical, Case study, Ethnographic, Documentary analysis.

UNIT – II
- Sampling: Population and sample; sampling techniques, probability and non-probability sampling, Characteristics of a good sample: Use of table of random numbers, sampling error and method of reducing it

UNIT – III
- Tools and Techniques of Data collection and their uses-questionnaire, schedules, rating scales, Attitude Scales projective and Sociometric measures; observation, Interview, Semantic differential
- Characteristics of good research tool-Reliability, Validity, Objectivity Usability, Norms
- Research Report-Significance and mechanism format, chapeterization, language and style, features of scientific writing and their implications for researchers and practitioners; bibliography and References.
- Evaluation of Research Report

UNIT – IV
Nature of Educational Data: Qualitative and Quantitative
- Quantitative Data; its analysis with emphasis on content analysis analysis of interview based and observation based data
- Quantitative Data: Scales of measurement Nominal, Ordinal, Interval, Ratio
- Use of computer in data analysis
Graphical representation of data, measures of Central tendency (Mean, Median, Mode): Measures of variability (Range, Quartile deviation, Average deviation, Standard deviation) Measures of Relative Position (Percentile and Percentile Ranks), Measure of Association; Linear correlation biserial, point biserial Tetra choric and Phi-co-efficient, Partial Coorelation, Regression Prediction

Normal Distribution-Characteristics & application

Inferential Statistics: parameter and statistics, concept of standard error of statistical

Parametric and Non-Parametric Techniques:
- Parametric-t-test, one way analysis of variance (ANOVA), Testing of difference between correlations
- Non-parametric-Sign, median and Chi square Tests

Reference Books:

1. Bhatnagar – Reading in Methodology of Research Education
UNIT - I An Introduction of Extension Education: -
  • Meaning Definitions of Philosophy
  • Services & Process
  • Principals & Scope

UNIT - II Methods of Extension Teaching: -
  • Classification of Methods
  • Extension Techniques
  • Audio Visual Aids

UNIT - III Methods of Learning: -
  • Concepts of Learning
  • Process of Learning
  • Review of Teaching & Learning Process

UNIT - IV Methods of Communication: -
  • Concepts of Communication
  • Process and network of Communication
  • Methods of Communication

UNIT - V Methods of Administration & Supervision: -
  • Concepts of Extension Administration
  • Basic principal of Extension Administration
  • Supervision of extension work

Reference Books: -
2. S.V. Supe – Extension Education
3. B.K. Choubey – Extension Education
4. गीता पुष्प शाह – प्रसार शिक्षा
5. हरपालाचरी – प्रसार शिक्षा
6. Dr. K.C. Mallaya – Jansankhya Shiksha (Hindi)
7. S.C. Srivastava – Dynamics of demographic studies (Hindi)
8. Dr. D.S. Baghel – Demography (Hindi)
9. Dr. J.P. Dubey University extension in India A historical perspective 2009