

U.G. 3rd SEMESTER SYLLABUS
DEPARTMENT OF EDUCATION
COTTON UNIVERSITY

PAPER : EDN 301C

EDUCATIONAL TECHNOLOGY

(Credits: 4+1+0=5)

Objectives:

- To understand the concept, nature, scope and need of educational technology.
- To explain meaning, nature and different types of Teaching Strategies, significance of teaching aids.
- To give in-depth knowledge regarding Programmed learning.
- Understand programme learning, team teaching, micro teaching and new trends in technology.

Unit: 1 Educational Technology.

- Educational technology - Concept, Definitions, Objectives and Nature.
- Approaches to Educational technology- Hardware and Software.
- Teaching Technology, Instructional Technology and Behavioral Technology.
- Scope of educational technology.
- System approach in Educational Technology.
- Need of technology in the field of education.

Unit: 2 Teaching Strategies

- Teaching Strategies - Meaning, Definitions and Nature.
- Types of teaching strategies – Autocratic Strategies and Permissive Strategies.
- Autocratic Strategies - Lecture, Tutorial, Demonstration and Illustration.
- Permissive Strategies- Brainstorming, Group Discussion, Project and Symposium.
- Teaching Strategies and Teaching Tactics.
- Teaching aids and their significance in education.

Unit: 3 Programmed Learning

- Historical perspective of programmed learning.
- Concept, Definitions and characteristics of programmed learning.
- Basic principles of programmed learning.
- Types of programming- Branching, Linear and Mathetics.
- Comparison of the three styles of Programming.

Unit: 4 Team Teaching And Micro Teaching

- Concept, Meaning and Definitions of team teaching. Development of Team Teaching.
- Principles of team teaching. Procedure to organize team teaching.
- Advantages and disadvantages of team teaching.
- Micro- teaching- Meaning, Definitions and Characteristics. Phases of Micro- Teaching.

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- Organizational Procedure of Micro Teaching, Micro-Teaching Setting.
- Advantages and disadvantages of micro teaching.

Unit: 5 New Innovations in Technology

- Computer –aided Instruction.
- Application of ICT—Smart learning, smart classes, virtual classes, ICT in evaluation.
- E-learning – Concept and importance.
- Internet and its application.
- Resource Centers for Educational Technology, CIET, UGC and IGNOU.

References :

- Das,R.C: Educational Technology. 1993, Sterling Publishers. New Delhi.
- Das, P and T, Pathak: Educational Technology. 2017, Shanti Prakashan, Guwahati.
- Mangal, S.K: Foudatiods of Educational Technology. 2013,Tandon Publications. Ludhiana.
- Pathak, R.P: New Dimension of Educational Technology. 2011, Radha Publisher. Ansari Road, NewDelhi.
- Rao, Usha: Educational Technology. 2011, Himalaya Publishing House.
- Skinner, B.F: The Technology of Teaching, 2003, Appleton, New York.
- Sharma, R. A : Technology of Teaching.1993 Meerut International Publishing House. Meerut.
- Sharma, R. A : Teacher Training Technology. 2003, R.Lall Book Depot. Meerut.
- Sampath, K : Introduction To Educational Technology. 1981 Sterling Publisher, New Delhi.

PAPER : EDN 302C

EMERGING ISSUES IN INDIAN EDUCATION
(Credits: 4+1+0=5)

Objectives:

- To develop awareness and understanding about different programmes of literacy, equality of educational opportunities programmes, Provision of education in Indian Constitution
- To acquaint the students about the need and importance of Social justice, Equality and Human rights and Rights of the Child.
- To develop an understanding on peace education, value education, Globalization and the role of education in promoting economic development and social order.

Unit 1: Equalization of Educational Opportunities

- Concept and need of equalization of educational opportunities

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- Problems concerning equality of opportunities in Education
- Equality and quality in education
- Equity in education and its impact on social growth and development

Unit 2: Educational and National Development

- Role of Education in Economic Development
- Meaning of new Social Order
- Need of Multi Culture Education
- Green Economy and Sustainable development

Unit 3: Globalization and Education

- Globalization-its meaning and characteristics
- Impact of Globalization on Indian Education
- Education for peace and National Integration
- Education and International Understanding

Unit 4: Life- long Education

- Meaning and Concept of Lifelong Education
- Need for Lifelong Education
- The scope of Lifelong Education
- Agencies of Lifelong Education
- Impact of Lifelong education in formal educational system

Unit 5: Issues in Education

- Educational Finances in Grant-in-aid system
- Population education, Family life and sex education
- Value oriented Education, Joyful Learning
- Environmental Education
- Education for women

References:

- Pathak ,R.P.(2007).Education in the emerging India, Delhi :Atlantic Publisher.
- Singh, Y.K.(2009).Education in Emerging India Society.Delhi:APH Publishing Pvt. Ltd,
- Srivastawa,Ram.Sharan.(2006).Teacher In Emerging Indian Society, Delhi:APH Publishing.
- Mohanty,Jagannath. (1992).Current Issues in Education,New Delhi :Cosmo Publishing.
- MurthyD.S ;1979)Contemporary Problems and Current Trends in Education. Ludhiana:Prakash and Brothers.
- Saksena K.P.(1994).Human Rights Perspective and Challenges. New Delhi: Lancers Books

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PAPER : EDN 303L

LAB PRACTICAL (EXPERIMENTS)

(Credits: 0+1+4=5)

Objectives:

- To enable the students to understand the concept of experimental psychology
- To understand the methods of conducting different psychological experiments
- To develop scientific attitudes among the students

Unit 1: Learning, Motivation and Fatigue

- Learning by Trial and Error using Mirror Drawing Apparatus
- Part and Whole Learning
- Maze Learning
- Knowledge of Result
- Physical and Mental fatigue

Unit 2: Memory and Forgetting

- Short term memory
- Comparison of Memorization - Meaningful materials and Non-sense syllables
- Proactive and Retroactive Inhibition
- Recall and Recognition

Unit 3: Attention, Thinking and Imagination

- Span of Apprehension
- Division of Attention
- Concept Formation
- Ink- blot test

Unit 4: Personality

- Personality test – Extroversion and Introversion
- Measures of Values

Unit 5: Intelligence

- Measurement of Verbal Intelligence
- Measurement of non-verbal intelligence using Bhatia Performance Test

(Students have to conduct at least 8 (eight) practicals)

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References :

- Nataraj , P : Manuals of Experiments in Psychology . Srinivas Publication, Mysore
- Postman, L and Egan, J.P : Experimental Psychology, Kalyani Publishers Ludhiana
- Saikia, L.R.: Psychological and Statistical Experiments in Education. Guwahati
- Woodsworth, R.S. and Schlosberg, H(2011) : Experimental Psychology, Methuen, London.

SEC

PAPER : EDN 301C

TEACHING TECHNIQUES

(Credits: 2+0+0=2)

Objectives

- To acquaint the students with the teaching and learning process, factors of learning and marks of good teaching.
- To develop an understanding of the principles of teaching, various devices and styles of teaching and necessity in the classroom.
- To understand about teaching effectiveness and classroom management.
- To acquaint students with the lesson plan and preparation.

Unit 1: Fundamental Concept of Teaching and Learning

- Meaning, definitions and nature of teaching. Marks of good teaching.
- Teaching- Learning Process. Teaching- Learning- Improvement.
- Nature of learning. Motivation and Learning.
- Factors that influence on learning in the classroom.

Unit2: Principles of Teaching and Maxims

- Principles of Teaching – General and Psychological.
- Maxims of Teaching- Meaning, Importance and Essential of Maxims of Teaching.
- Phases of Teaching- Pre-active, Interactive and Post-active.

Unit 3: Devices and Styles of Teaching

- Meaning and Concept of Teaching Devices.
- Various Types of Devices – Questioning, Discussion, Supervised Study, Home Assignments, Illustration, Drill and Heuristic.
- Autocratic and Permissive Style of teaching – Types and differences.

Unit 4: Lesson Planning and Types of Lesson Plan

- Meaning, characteristics and importance of Good Lesson Plan.

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- Herbertian Five Steps.
- Knowledge lesson, Skill lesson and Appreciation lesson.
- Preparation of a Lesson Plan (Any Methods Subject)

References-

- Adams, J., Modern Developments in Educational Practice, London: University of London Press Ltd., 1957.
- Bhatia and Bhatia – The Principles and Methods of Teaching, Doaba House, Delhi, 1990.
- Kochhar, S.K. - Methods and Techniques of Teaching, Sterling Publishers Private Limited, 1992.
- Panton, J.H., Modern Teaching : Practice and Techniques, London, Longmans, Green and co., 1956.
- Yoakam and Simpson, Modern Methods and Techniques of Teaching, New York: The Mac Millian company.

Generic Elective

PAPER : EDN 301C

EDUCATIONAL PSYCHOLOGY

(Credits: 3+1+0=4)

Objectives:

- To introduce the students with the concept, scope and functions of Educational Psychology.
- To help students to understand different factors of learning, theories of learning and concepts of motivation, intelligence, memory, attention and interest.
- To acquaint the students with the concepts of mental health and adjustment mechanism.

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Unit 1: Introduction to Psychology and Education

- Meaning, nature and scope of Psychology and Educational Psychology
- Relationship between Psychology and Education
- Schools of Psychology
 - * Behaviorism
 - * Gestalt Psychology
- Methods of Educational Psychology- Introspection, Observation and Experimentation
- Application of Educational Psychology in teaching learning process

Unit 2: Growth and Development

- Meaning and Nature of Growth and Development
- Factors influencing Growth and Development
- Concept of Individual Difference
- Role of Heredity and Environment in Individual Difference

Unit 3: Memory, Attention and Interest

- Memory: Meaning and Types
- Marks of Good Memory
- Economic Methods of Memorization
- Forgetting and its causes
- Attention: meaning, concept, types and determinants
- Interest: Meaning and Types
- Role of teacher in developing Attention and Interest among students

Unit 4: Learning and Motivation

- Learning: Meaning and Nature of Learning
- Theories of Learning
 - * Connectionism
 - * Conditioning
 - * Gestalt theory
- Laws of Learning and its educational implications
- Concept of Motivation
- Learning and Motivation
- - Techniques for Motivation students

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Unit 5: Mental Health and Adjustment

- Meaning and Principles of Mental Health
- Characteristics of a Mentally Healthy person
- Concept of Adjustment
- - Adjustment Mechanisms

References:

- Bhatia, H.R.(1973). Elements of Educational Psychology, Orient BlackSwan,
- Chauhan, S.S.(2007). Advanced Educational Psychology, Vikas Publishing House Pvt. Ltd. 576 Masjid Road, Jangpura, New Delhi-110014.
- Mangal, S.K.(2002). Advanced Educational Psychology, Prentice-Hall of India Private Limited, New Delhi-110001
