

Government Degree College (Autonomous), Baramulla

Semester: 8th
Education

Major

Educational Technology
Credits: 6 (4 Theory + 2 Tutorial)

Course Code EDUC1822M
Contact Hours (64 Hours + 64 Hours)

1. To develop an understanding of educational technology
2. To develop understanding about various types of educational technology.
3. To critically evaluate various forms of education.
4. To understand the role of various institutions in education.

Unit 1: Understanding Educational Technology

- i. Meaning, Objectives, Types & Scope.
- ii. Forms of Educational technology: a.) Teaching technology. b) Instructional technology. c) Behavioral Technology. d) Instructional Design system.
- iii. Major institutions of Education technology in India- CIET, EMMRC, IGNOU, UGC their role in education.

Unit 2: Innovations in Teaching

- i. Microteaching: Meaning, Characteristics, procedure, major skills and role of supervisor.
- ii. Simulated teaching: Meaning, types, steps, procedure, training group, role play simulation in teacher education Programme.
- iii. Flanders Interaction Analysis Category System-Description, assumption, procedure.

Unit 3: Programmed Instruction/Learning

- i) Origin, Meaning, principles & Types
- ii) Contribution of Skinner, Mager, Gilbert.
- iii) Development of Programmed – steps (preparation, writing the Programme, try-out and revision)
- iv) Review of Research trends in programmed learning-national and international context.

Unit 4: Information and Communication Technologies

- i) Nature and Scope of a communication
- ii) Elements of communication: Sender, Receiver, Message and the Medium
- iii) Forms of communication: one to one, one to many, many to many communications.
- iv) Types of communication in classroom: Verbal, Non-verbal.
- v) Use of ICT in Research, including on-line research, Use of ICT for reporting in the form of theses, Journal articles, and presentations in Seminars and conferences.

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Practical/ Tutorial

Unit: 1

- i. Review of 5 research papers on programmed learning published in national and international journals.
- ii. Impact of programmed learning principles on classroom in any local school.

Unit: 2

- i. Impact of blended learning on student's performance in comparison to traditional classroom learning.
- ii. Prepare PPT on principles of programmed learning

RECOMMENDED BOOKS:

- ❖ Allen, D. W. (1968). Micro-teaching – A Description California: Stanford Press.
- ❖ Dahiya, D.S. (2020). Educational Technology – Towards better teacher Performance
- ❖ Dale, Edgar (1968). Audio-visual Methods in Teaching. Holt: Rinehart Winston.
- ❖ Davies, I. K. (1972). Contribution to an Educational Technology. London: Butterworth.
- ❖ Mattoo, M. I. (2011). Educational Technology – Promise and Performance. New Delhi: Axis Publication Pvt. Ltd.
- ❖ Mohan, R. (1999). Teacher Education: New Delhi: Eastern Economy Ltd.
- ❖ New Delhi: Shipra Publications.
- ❖ Rani, Usha (2006). Educational Television in India. New Delhi: Discovery Publishing House
- ❖ Sampath, K. and others (1998). Introduction to Educational Technology. New Delhi: Sterling Publishers Pvt.Ltd.
- ❖ Sharma, R.A. (2012). Educational Technology: Meerut. Anmmol Publishers
- ❖ Syed, N. A. (2019). ICT Integration in Education. New Delhi: Education Publishing.
- ❖ Venkataih, (2002). Educational Technology. New Delhi: APH Publishing Corporation.
- ❖ Singh, Y.K. (2004) Micro-Teaching APH Publishing Corporation.
- ❖ Selvam, Panneer (2014). Educational Technology. Discovery Publishing House Pvt. Ltd.
- ❖ Vij, Sanjna (2000). Traditional v/s Technology based teaching. New Delhi: Kumud Publihing Company.