

Ba/EDN/M-4

2025

(FYUGP)

(4th Semester)

EDUCATION

(MINOR)

Paper : EDN/M-4

(Educational Technology)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 50)

**The figures in the margin indicate full marks
for the questions**

1. (a) Define the term 'educational technology'. Explain its nature. 4+6=10

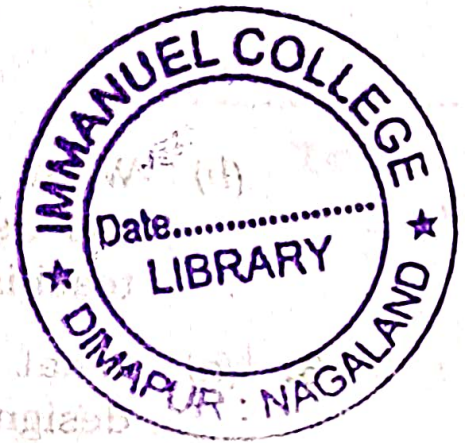
Or

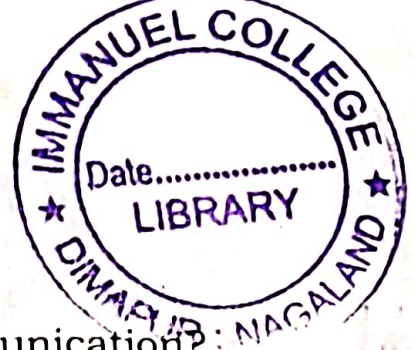
- (b) Elaborate the uses of hardware and software approaches for effective teaching.

10

L25/434a

(Turn Over)





2. (a) What is meant by communication?
Explain the process of communication.

4+6=10

Or

- (b) What is classroom communication?
Discuss mass media approach in
teaching-learning process.

3+7=10

3. (a) What is meant by instructional system
designing? Discuss the components in
instructional system designing.

3+7=10

Or

- (b) Discuss systems approach to
instructional process.

10

4. (a) What is programmed learning? Explain
linear and branching programming.

3+7=10

Or

- (b) Explain team teaching. State the
advantages and disadvantages of team
teaching.

2+8=10

5. (a) Define simulated teaching. Discuss the
uses of computerized assisted
instruction.

3+7=10

Or

- (b) Discuss ICT (Information
Communication Technology) in distance
education.

10

2025

(FYUGP)

(4th Semester)

EDUCATION

(MINOR)

Paper : EDN/M-4

(Educational Technology)

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

SECTION—I

(Marks : 15)

A. Put a Tick (✓) mark against the correct answer in the brackets provided : 1×15=15

1. Who said, “Educational technology is the application of scientific process to men’s learning conditions”?

(a) Thorndike ()

(b) Skinner ()

(c) Robert A. Cox ()

(d) S. S. Kulkarni ()



(2)

2. ____ is the application of physical sciences to education and teaching.

- (a) Systems approach ()
- (b) Hardware approach ()
- (c) Software approach ()
- (d) Computer-aided approach ()

3. 'Communication' is derived from

- (a) Greek word ()
- (b) Latin word ()
- (c) German word ()
- (d) Persian word ()

4. In the process of communication, which of the following arrangements is correct?

- (a) Sender, Encoding, Message, Channel, Receiver ()
- (b) Sender, Message, Encoding, Channel, Receiver ()
- (c) Sender, Receiver, Channel, Message, Encoding ()
- (d) Sender, Encoding, Message, Receiver, Channel ()

(3)

5. Which of the following is a verbal communication?

- (a) Voice ()
- (b) Gesture ()
- (c) Movement ()
- (d) Facial expression ()

6. Who defined 'system' as interrelated and interdependent elements?

- (a) Herbert ()
- (b) R. L. Ackoff ()
- (c) Edward ()
- (d) Robert Davis ()

7. The entire system as a ____ is called the systems approach.

- (a) unit ()
- (b) part ()
- (c) whole ()
- (d) bit ()

(4)

8. Team teaching is also known as
- (a) collaborative teaching ()
 - (b) special teaching ()
 - (c) group teaching ()
 - (d) single teaching ()
9. _____ is a scaled-down teaching encounter.
- (a) Macro-teaching ()
 - (b) Micro-teaching ()
 - (c) Team teaching ()
 - (d) None of the above ()
10. "Programmed learning is a systematic step-by-step, self-instructional programme" is said by
- (a) G. O. M. Leith ()
 - (b) Jacob ()
 - (c) Edgar Dale ()
 - (d) Susan Marks ()
11. _____ is a comprehensive teaching encounter.
- (a) Macro-teaching ()
 - (b) Micro-teaching ()
 - (c) Team teaching ()
 - (d) None of the above ()

(5)

12. Branching programming was developed by
- (a) B. F. Skinner ()
 - (b) Norman A. Crowder ()
 - (c) Gilbert ()
 - (d) E. L. Thorndike ()
13. The role playing is developed by using
- (a) micro-teaching ()
 - (b) simulated teaching ()
 - (c) interaction analysis ()
 - (d) group teaching ()
14. Which one is the full form of CAI in education?
- (a) Computer Area Instruction ()
 - (b) Computer-Assisted Instruction ()
 - (c) Computer-Accumulated Instruction ()
 - (d) None of the above ()
15. Personalized System of Instruction (PSI) is also known as
- (a) Skinner plan ()
 - (b) Keller plan ()
 - (c) Thorndike plan ()
 - (d) All of the above ()

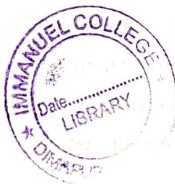
(6)

SECTION—II

(Marks : 10)

B. Write on any *five* of the following : $2 \times 5 = 10$

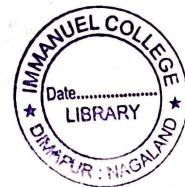
1. Functions of educational technology



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(7)

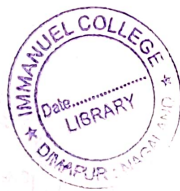
2. Components of communication process



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(8)

3. Instructional system



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(9)

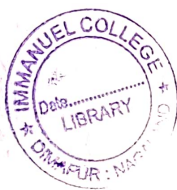
4. Limitations of systems approach



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(10)

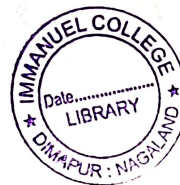
5. Principles of programmed instruction



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(11)

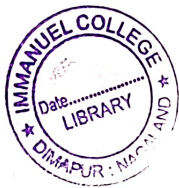
6. Features of PSI



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(12)

7. Concept of ICT



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