



Ba/EDN M-4

2026

(FYUGP)

(4th Semester)

EDUCATION

(MINOR)

Paper : EDN M-4

(Educational Technology)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

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

(PART : A—OBJECTIVE)

(Marks : 25)

SECTION—I

(Marks : 15)

Choose the correct option : $1 \times 15 = 15$

1. The term 'technology' is derived from

- (a) Latin
- (b) Greek
- (c) French
- (d) German

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(Turn Over)

(2)

2. Which of the following is the first step in the systems approach to instructional design?

- (a) Selecting teaching aids
- (b) Defining learning objectives
- (c) Evaluating learner performance
- (d) Choosing the medium

3. Programmed learning is based on which of the following theories of learning?

- (a) Cognitive theory
- (b) Constructivist theory
- (c) Operant conditioning theory
- (d) Social learning theory

4. Conversion of ideas into symbols is called

- (a) decoding
- (b) feedback
- (c) encoding
- (d) noise

5. Teacher using gestures, facial expressions and body language is an example of

- (a) verbal communication
- (b) written communication
- (c) formal communication
- (d) non-verbal communication

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(3)

6. The drill and practice method of computer-assisted instruction is best not used for

- (a) reinforcing foundational skills
- (b) enhancing fluency
- (c) promoting mastery of previously learned content through repetition
- (d) not to get immediate feedback

7. Which of the following techniques is often used in simulated teaching?

- (a) Lecture
- (b) Role play
- (c) Interview
- (d) Silent reading

8. A system is best defined as

- (a) a single teaching method
- (b) a group of unrelated activities
- (c) an organized whole with interacting parts
- (d) a classroom technique

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(4)

9. Instructional system is mainly concerned with

- (a) administration of schools
- (b) planning and organizing teaching-learning activities
- (c) student discipline
- (d) examination only

10. Programmed learning emphasizes

- (a) passive learning
- (b) self-paced learning
- (c) group learning
- (d) rote learning

11. In programmed learning, content is presented in

- (a) large units
- (b) random order
- (c) small steps
- (d) lecture form

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(5)

12. Team teaching means

- (a) one teacher teaching many classes
- (b) many teachers teaching one subject together
- (c) students teaching students
- (d) teaching with machines

13. Personalized system of instruction was developed by

- (a) B. F. Skinner
- (b) Bloom
- (c) Fred S. Keller
- (d) Bruner

14. CAT allows learning to be

- (a) teacher-paced
- (b) self-paced
- (c) group-paced only
- (d) rigid and fixed

(6)

15. In simulated teaching, the learners are usually

- (a) real students
- (b) teachers in training
- (c) parents
- (d) school Principals

SECTION—II

(Marks : 10)

Write notes on any five of the following : $2 \times 5 = 10$

- 1. Nature of educational technology
- 2. Meaning of communication
- 3. Systems approach to educational technology
- 4. Principles of programmed instruction
- 5. Team teaching
- 6. PSI
- 7. ICT

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(Turn Over)

(7)

(PART : B—DESCRIPTIVE)

(Marks : 50)

1. (a) Discuss the meaning and scope of educational technology. $4+6=10$

Or

(b) Discuss the hardware and software approaches to educational technology. $5+5=10$

2. (a) What is communication process? Discuss the components of communication process. $3+7=10$

Or

(b) Explain the mass-media approach to educational technology. 10

3. (a) Define systems approach. Explain its application in the field of education. $4+6=10$

Or

(b) What do you understand by instructional system designing? Discuss the steps involved in instructional system designing. $4+6=10$

4. (a) Define the term 'programmed learning'.
Compare between linear programming
and branching programming. $2+8=10$

Or

- (b) Differentiate between microteaching
and macroteaching. 10

5. (a) What is computer-assisted instruction?
Describe its implications in teaching-
learning process. $3+7=10$

Or

- (b) What is simulated teaching? Discuss
the steps involved and the uses of
simulated teaching. $2+(4+4)=10$
