2025

(FYUGP)

(4th Semester)

IMMANUEL COLLEGE
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DIMAPUR : NAGALAND

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

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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

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Paper : EDN/M–4

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(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. _____ 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 ( )

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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 ( )

5. Which of the following is a verbal communication?

   (a) Voice ( )

   (b) Gesture ( )

   (c) Movement ( )

   (d) Facial expression ( )

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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 ( )

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 ( )

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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 ( )

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 ( )

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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 ( )

SECTION—II

(*Marks* : 10)

B. Write on any *five* of the following : 2×5=10

1. Functions of educational technology

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2. Components of communication process

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3. Instructional system

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4. Limitations of systems approach

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5. Principles of programmed instruction

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6. Features of PSI

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7. Concept of ICT

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