2 0 1 4

(5th Semester)

EDUCATION

EIGHTH (A) PAPER

(Educational Technology)

Full Marks : 75

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 50)

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

1. What are the two types of educational technology? Discuss.　　10

Or

Define the concept of educational technology. Explain the software approach to educational technology.　　4+6=10

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2. Discuss the verbal and nonverbal types of communication system.　　5+5=10

Or

Explain in detail the process of communication system.　　10

3. How can you develop physical and human resources in educational objectives?　　10

Or

Discuss Bloom's taxonomy of educational objectives in the affective and psychomotor domains.　　5+5=10

4. What is programmed learning? What are the advantages and disadvantages of programmed learning?　　3+7=10

Or

Explain the different principles of programmed learning.　　10

5. What is personalized system of instruction? What are the characteristics of PSI?　　3+7=10

Or

What do you mean by simulated teaching? Discuss the steps involved in simulated teaching.　　3+7=10

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2 0 1 4

(5th Semester)

EDUCATION

EIGHTH (A) PAPER

(Educational Technology)

(PART : A—OBJECTIVE)

(*Marks* : 25)

The figures in the margin indicate full marks for the questions

SECTION—A

(*Marks* : 10)

Choose the most appropriate answer to the following by putting a Tick (✓) mark against it in the brackets provided :   1×10=10

1. The application of philosophical, sociological and scientific knowledge to teaching for achieving learning objectives is

    (a) instructional technology   (   )

    (b) teaching technology   (   )

    (c) behavioural technology   (   )

    (d) instructional design   (   )

2. The main aspect of educational technology is

    (a) output   (   )

    (b) input   (   )

    (c) process   (   )

    (d) All of the above   (   )

3. The effectiveness of communication process in any classroom situation very much depends on the

    (a) communication channel   (   )

    (b) communication material   (   )

    (c) source of communication   (   )

    (d) communication receiver   (   )

4. The term 'communication' has been derived from the

    (a) Latin word   (   )

    (b) Greek word   (   )

    (c) German word   (   )

    (d) English word   (   )

5. Bloom's taxonomy of educational objectives of the cognitive domain is divided into

    (a) four categories ( )

    (b) five categories ( )

    (c) six categories ( )

    (d) seven categories ( )

6. Instructional system design employs three phases. They are

    (a) planning, execution and evaluation ( )

    (b) planning, process and evaluation ( )

    (c) planning, objectives and goals ( )

    (d) planning, strategies and goals ( )

7. The Skinnerian programming is based on the theory of

    (a) human training ( )

    (b) content analysis ( )

    (c) operant conditioning ( )

    (d) intrinsic programming ( )

8. The style of mathetic programming has been propagated by

    (a) Thomas F. Gilbert ( )

    (b) N. A. Crowder ( )

    (c) B. F. Skinner ( )

    (d) E. L. Thorndike ( )

9. Training technique to change the behaviour of the pupils is known as

    (a) PSI ( )

    (b) CAI ( )

    (c) distance teaching ( )

    (d) simulated teaching ( )

10. CAI is based on the application of the principles of

    (a) programmed instruction ( )

    (b) simulated teaching ( )

    (c) microteaching ( )

    (d) distance education ( )

SECTION—B

(*Marks* : 15)

Write briefly on the following :   3×5=15

1. Three approaches to educational technology

2. Factors affecting classroom communications

3. Components of instructional system design

4. Three types of programmed learning

5. Computer-assisted instruction (CAI)

★ ★ ★