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(CBCS)

(5th Semester)

EDUCATION

EIGHTH (A) PAPER

(Educational Technology)

Full Marks : 75

Time : 3 hours

(PART : A—OBJECTIVE)

(*Marks* : 25)

The figures in the margin indicate full marks for the questions

SECTION—A

(*Marks* : 10)

Tick (✓) the correct answer in the brackets provided :   1×10=10

1. Educational Technology is concerned with the systematic application of _____ in the field of education.
(a) science and philosophy   (   )
(b) history and geography   (   )
(c) science and technology   (   )
(d) language and mathematics   (   )

2. The systematic action which induces learning is known as
(a) instruction   (   )   *(b)* assumption   (   )
(c) teaching   (   )   *(d)* application   (   )

3. In communication, the signal being communicated is called

(a) course ( )   (b) feedback ( )

(c) symbol ( )   (d) channel ( )

4. Language of the eye may be considered as important mode of

(a) verbal communication ( )

(b) non-verbal communication ( )

(c) oral communication ( )

(d) written communication ( )

5. The systematic organization of educational objectives is associated with the name of

(a) Bloom ( )   (b) Irwin ( )

(c) H. S. Barnet ( )   (d) Krathwohl ( )

6. Educational objectives related to cognitive domain are classified into

(a) two categories ( )   (b) four categories ( )

(c) five categories ( )   (d) six categories ( )

7. Programmed learning provides _____ knowledge of results.

(a) individualized ( )   (b) test item ( )

(c) immediate ( )   (d) group ( )

8. The frame in linear style of programmed learning contains

(a) two ideas ( )

(b) three ideas ( )

(c) more than three ideas ( )

(d) a single idea ( )

9. PSI aims for

(a) attaining mastery learning of the learner ( )

(b) providing self-pacing ( )

(c) changing behavior of the learner ( )

(d) use of computer ( )

10. CAI stands for the type of instruction aided with the help of

(a) television ( )   (b) computer ( )

(c) PowerPoint ( )   (d) over-head projector ( )

SECTION—B

(*Marks* : 15)

Write briefly on the following :   3×5=15

1. Difference between teaching technology and instructional technology

OR

Difference between hardware and software approach to educational technology

2. Meaning of communication

OR

Factors affecting classroom communication

3. Instructional system designing

OR

Developing physical and human resources in an educational system

4. Advantages of programmed learning

OR

Skipping method of linear programming

5. Meaning of simulated teaching

OR

Concept of distance teaching

(PART : B—DESCRIPTIVE)

(*Marks* : 50)

The figures in the margin indicate full marks for the questions

1. Explain the concept and scope of educational technology.   4+6=10

OR

Discuss the various approaches to educational technology.   10

2. Describe the different types of communication.   10

OR

Examine the process of communication system.   10

3. Describe, in detail, Bloom's Taxonomy of Educational Objectives in the cognitive domain.   10

OR

Discuss the concept and components of Instructional System Designing.

3+7=10

4. Explain the principles of programmed learning.   10

OR

What is branching style of programming? Explain forward and backward branching style of programmed learning.   3+7=10

5. Explain the concept and nature of Personalized System of Instruction.

3+7=10

OR

What is a Computer Assisted Instruction? Discuss its limitations for the instructional process.   3+7=10

★ ★ ★