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(CBCS)

(5th Semester)

EDUCATION

EIGHTH (A) PAPER

(Educational Technology)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

(SECTION : A—OBJECTIVE)

(Marks : 10)

Tick (✓) the correct answer in the brackets provided :

1×10=10

1. Educational technology is mostly concerned with

- (a) developing moral values ()
- (b) developing academic performance ()
- (c) developing teaching-learning methods ()
- (d) developing creative thinking ()

2. System approach is a systematic attempt to manage

- (a) all aspects of a problem towards specific objectives ()
- (b) copious problems in the higher education ()
- (c) the implementation of computer education ()
- (d) quality monitoring of teacher ()

- 3.** Effective communication involves
- (a) domination ()
 - (b) understanding ()
 - (c) passivity ()
 - (d) command ()
- 4.** Positive classroom communication leads to
- (a) encouragement ()
 - (b) confrontation ()
 - (c) submission ()
 - (d) hindrance ()
- 5.** In Bloom's taxonomy, which level of teaching uses a higher level of cognitive abilities?
- (a) Memory level ()
 - (b) Understanding level ()
 - (c) Autonomous development level ()
 - (d) Reflective level ()
- 6.** Instructional system design models are mainly based on
- (a) ABBA model ()
 - (b) ADDIE model ()
 - (c) AMBER model ()
 - (d) PSI model ()
- 7.** In programmed learning, the learner progresses
- (a) at the teacher's pace ()
 - (b) along with other students ()
 - (c) at a very slow pace ()
 - (d) at his own pace ()
- 8.** Linear programming is also known as
- (a) intrinsic programming ()
 - (b) extrinsic programming ()
 - (c) mathematics of programming ()
 - (d) innovation of programming ()

9. CAI offers an interactive presentation of materials through the use of
- (a) books, slides and blackboard ()
 - (b) charts, diagrams and graph ()
 - (c) graphics, text, video and audio enhancements ()
 - (d) models, maps and textbook ()
10. PSI is designed to reduce the need of the
- (a) teachers ()
 - (b) learners ()
 - (c) education system ()
 - (d) educational administration ()

(SECTION : B—SHORT ANSWER)

(Marks : 15)

Write briefly on the following :

3×5=15

UNIT—I

1. Meaning of educational technology

OR

2. Scope of educational technology

UNIT—II

3. Characteristics of communication

OR

4. Meaning of non-verbal communication

UNIT—III

5. Concept of human resource development

OR

6. Uses of Bloom's taxonomy

UNIT—IV

7. Skipping method

OR

8. Advantages of programmed learning

UNIT—V

9. Concept of computer assisted instruction

OR

10. Demerits of simulated teaching

(SECTION : C—DESCRIPTIVE)

(Marks : 50)

Answer the following :

10×5=50

UNIT—I

1. Discuss software and hardware as instructional aids in teaching-learning.

5+5=10

OR

2. Write a note on systems approach as an instructional technology in education.

10

UNIT—II

3. Define communication. Explain the factors affecting classroom communication.

3+7=10

OR

4. What is verbal communication? Explain the different barriers to effective communication.

3+7=10

UNIT—III

5. What is Bloom's taxonomy? Discuss Bloom's taxonomy of educational objectives in the cognitive domain.

3+7=10

OR

6. Discuss the concept and components of instructional system design.

10

UNIT—IV

7. Define programmed learning. Explain the principles of programmed learning. 4+6=10

OR

8. What is branching style? Explain forward and backward branching. 10

UNIT—V

9. Explain the concept and nature of personalized system of instruction. 3+7=10

OR

10. What is simulated teaching? Mention the steps involved in simulated teaching. 4+6=10
