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63/1 (SEM-4) CC8/EDNHC4086

2025

EDUCATION

Paper : EDNHC4086

(Educational Technology)

Full Marks : 80

Pass Marks : 32

Time : Three hours

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

1. Choose the correct answer from the following: **(any six)** 1×6=6

(a) The word "technology" means

- (i) science of learning
- (ii) science of technique
- (iii) science of teaching
- (iv) science of behaviour

(b) Hardware technology is originated from

- (i) physical science and engineering technology
- (ii) behavioural science
- (iii) psychology
- (iv) management technology

(c) Blackboard is a

- (i) Projected aid
- (ii) Non-projected aid
- (iii) Two-dimensional aid
- (iv) Three-dimensional aid

(d) The first phase/ stage of teaching is

- (i) Pre-active
- (ii) Inter active
- (iii) Post-active
- (iv) Examination

(e) Microteaching is designed to improve the

- (i) Learning capacity of students
- (ii) Question paper setting technique of teacher
- (iii) Reading ability of students
- (iv) Teaching techniques of teacher

(f) Software approach is known as

- (i) Management technology
- (ii) High technology
- (iii) Instructional technology
- (iv) Learning technology

(g) Which one of the following is a teaching technology ?

- (i) Discovery approach
- (ii) Self-learning
- (iii) Programmed learning
- (iv) Observation

(h) Homework is a part of _____ phase of teaching.

- (i) Pre-active
- (ii) Post active
- (iii) Interactive
- (iv) Discussion

(i) In case of classroom communication student plays the role of

- (i) receiver
- (ii) sender
- (iii) source
- (iv) media

(j) Who was the founder of linear programming ?

- (i) Gilbert
- (ii) Skinner
- (iii) Pavlov
- (iv) Watson

2. Answer the following questions : **(any five)**
2×5=10

- (a) Mention *any two* nature of Educational Technology.
- (b) What is Internet ?
- (c) Mention *any two* functions of mass media.
- (d) Write *any two* examples of projected aids.
- (e) Mention *any two* merits of Micro-Teaching.
- (f) Mention *any two* merits of programmed instruction.
- (g) What are the 5M's of Technology ?

3. Answer the following questions : **(any six)**
5×6=30

- (a) Mention the differences between Hardware and software approach.
- (b) Write a short note on Team Teaching.

- (c) Mention the barriers of classroom communication.
- (d) Mention the demerits of Microteaching.
- (e) Write a short note on Computer Assisted Instruction.
- (f) Explain how microteaching is different from traditional teaching.
- (g) Write briefly about system approach.
- (h) Write a short note on Verbal and Non-verbal communication.
- (i) Explain the need of multimedia in education.
- (j) Write briefly the principles of linear programming.

4. Answer the following questions : **(any two)**
10×2=20

- (a) Explain the scope of educational technology.
- (b) Discuss the fundamental principles of programmed instruction.

- (c) Describe the advantages and disadvantages of using computer in education.
- (d) Explain the nature of Microteaching.

5. Answer **any one** of the following questions :
14×1=14

- (a) Discuss the components of classroom communication. Suggest some measures to improve the classroom communication. 8+6=14
- (b) Mention the principles that should be followed in using teaching aids in the classroom. Discuss the importance of teaching aids. 4+10=14
- (c) What are the major phases of teaching? Discuss the different activities that should be done by one teacher in each phase of teaching. 2+12=14
