

2015

EDUCATION

(Major)

Paper : 4.1

(Educational Technology)

Full Marks : 80

Time : 3 hours

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

1. (a) Answer the following questions : $1 \times 5 = 5$

(i) What is educational technology?

(ii) What is teaching technology?

(iii) What is meant by behavioural
technology?

(iv) Define instructional technology.

(v) What is meant by communication?

(b) Complete the following sentences by using appropriate words : $1 \times 5 = 5$

- (i) Audiovisual aids help in developing —.
- (ii) — is known as the father of computer.
- (iii) — University introduced team teaching technique for the first time.
- (iv) ERNET (Educational Research Network) in India was established in the year —.

(v) The process of teaching has two major components—content and —.

2. Answer the following questions : $2 \times 5 = 10$

- (a) Write two objectives of educational technology.
- (b) Write very briefly on 'interactive phase of teaching'.
- (c) Mention two differences between educational technology and instructional technology.
- (d) Mention two barriers of classroom communication.
- (e) Write briefly on 'e-learning'.

3. Write notes on any *four* of the following : $5 \times 4 = 20$

- (a) Importance of educational technology in distance mode of education
- (b) Phases of micro-teaching
- (c) Principles of programmed instruction
- (d) Appropriate use of teaching aids
- (e) Use of computer in education
- (f) Procedure to be followed to organize team teaching

4. Answer any *four* of the following : $10 \times 4 = 40$

- (a) Explain the concept of micro-teaching. Discuss the merits and demerits of micro-teaching. $4 + 3 + 3 = 10$
- (b) Explain the concept of programmed instruction. Discuss about linear programming. $4 + 6 = 10$
- (c) Discuss the importance of teaching aids in teaching-learning process. 10
- (d) Explain the concept of systems approach to education. Describe the steps involved in the procedure of systems approach. $4 + 6 = 10$
- (e) What is Internet? What services does it offer in the field of education? Discuss. $4 + 6 = 10$

- (f) Explain the concept of team teaching. Discuss the advantages and disadvantages of team teaching. 4+3+3=10
- (g) What is meant by computer-assisted instruction (CAI)? Discuss its advantages and disadvantages. 4+3+3=10
- (h) Describe the hardware and software approaches to education and their contributions towards effective teaching-learning process. 10
