

2016

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. Write whether the following statements are True or False : 1×10=10
- (a) One important use of system approach is effective planning of school programmes.
 - (b) The term 'technology' is derived from the Greek concept 'Tekhnetus'.
 - (c) Constructing or writing the plan is an important stage in programming.
 - (d) The term 'microteaching' was first coined in 1965.

(2)

- (e) The first major pioneering attempt in CAI was made in the USA in 1961.
- (f) The five M's involved in educational technology are Man, Machine, Material, Method and Mind.
- (g) Programmed learning is based on classical conditioning theory.
- (h) The psychological laws and principles used in teaching-learning is called technology in education.
- (i) Software approach is resulted from behavioural science.
- (j) Film projector is a non-projected teaching aid.

2. Answer the following questions in brief :

2×5=10

- (a) What is non-verbal communication?
- (b) Write a very brief way about ERNET.
- (c) What is instructional kit?
- (d) Write very briefly on the use of multimedia.
- (e) What is team teaching?

(3)

3. Write short answers of any four of the following : 5×4=20

- (a) Enumerate the importance of educational technology in conventional mode of teaching.
- (b) Write the guiding principles of team teaching.
- (c) Write briefly on the use of micro-teaching at higher level.
- (d) Write the demerits of programmed instruction.
- (e) Write about mathematics programming.
- (f) Write about non-projected teaching aids.

4. Answer any four of the following questions :

10×4=40

- (a) Write the objectives of educational technology both at macrolevel and microlevel. 5+5=10
- (b) Explain in detail about branching programmed instruction along with its effectiveness and limitations. 10
- (c) Instructional technology is a subsection of educational technology. Explain in detail. 10

- (d) Enumerate the barriers of classroom communication. How can these barriers be removed? Give suggestions. 5+5=10
- (e) State the importance of system approach in educational technology. How can system approach be used effectively in classroom situation? 5+5=10
- (f) Differentiate between microteaching and traditional teaching. Write the different phases of microteaching. 5+5=10
- (g) Write the importance of teaching aids. What are the guiding principles of using teaching aids? 5+5=10
- (h) Show your acquaintance with the differences between hardware and software approaches of educational technology. As a teacher, how would you apply these approaches as complementary to each other in a classroom setting? 5+5=10
