**2 0 1 6**

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.

( *Turn Over* )

   (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?

( *Continued* )

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 mathetics 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

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