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EDUCATION

(Major)

Paper : 4.1

(Educational Technology)

Full Marks : 80

Time : 3 hours

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

- (d) Explain instructional technology. Distinguish between Educational technology and Instructional technology. 4+6=10
- (e) Discuss the barriers of classroom communication. Describe the ways to ensure effective classroom communication. 5+5=10
- (f) What is meant by Computer Assisted Instruction (CAI)? Discuss its advantages and disadvantages. 4+6=10
- (g) Explain the term 'systems approach'. Describe the steps involved in the procedure of systems approach. 4+6=10
- (h) Describe the Hardware and Software approaches to education and their contribution towards effective teaching-learning process. 10

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1. (a) Answer the following questions : 1×5=5
- (i) Mention a major objective of educational technology.
- (ii) What are the two most important components which are related with the process of teaching?
- (iii) What are the two major types of classroom communication?
- (iv) Give an advantage of 'tele-conferencing'.
- (v) Write the full form of INSAT.

(2)

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

- (i) There are — major approaches to educational technology.
- (ii) Branching programming was developed by —.
- (iii) — is the text that connects to order documents.
- (iv) In 1990, the Internet of India was established as —.
- (v) The — may be termed as a library that holds a collection of resources in electronic format.

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

- (a) Mention two merits of programmed instruction.
- (b) Write a brief note on 'team teaching'.
- (c) Mention two advantages of systems approach.
- (d) Write two limitations of 'electronic media'.
- (e) What do you understand by 'e-learning'?

(3)

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

- (a) Importance of educational technology in conventional mode of education
- (b) Objectives of microteaching
- (c) Difference between Programmed learning and Programmed instruction
- (d) Components of classroom communication
- (e) Characteristics of good teaching aids
- (f) Advantages and disadvantages of Internet

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

- (a) Explain the concept of educational technology. Discuss its scope. $4 + 6 = 10$
- (b) Explain the term 'educational technology'. Highlight the role of educational technology in distance education. $4 + 6 = 10$
- (c) Explain the concept of microteaching. Discuss the major steps in micro-teaching. $4 + 6 = 10$

- (e) Explain with examples the role of the teacher in creating awareness of population problems. Discuss briefly two methods that can be used in this regard. 6+2+2=10
- (f) "There is a reciprocal relationship between population and socioeconomic development of a country." Justify the statement with examples. 10
- (g) Discuss the role of non-formal education in creating awareness for a hazard-free environment. 10
- (h) Suggest some practical activities and programmes for population education in your State, considering the available resources. 10

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2 0 1 3

EDUCATION

(Major)

Paper : 4.2

(Environmental and Population Education)

Full Marks : 80

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer the following questions : 1×10=10
- (a) From which word has the term environment been derived?
- (b) What is meant by deforestation?
- (c) Name one NGO working for conservation of environment in North-East India.
- (d) When was the Tbilisi Conference held?
- (e) Mention one major factor for environmental degradation.
- (f) What is meant by environmental ethics?

(2)

- (g) What is population explosion?
- (h) Cite an example of natural hazard.
- (i) When is World Environment Day celebrated?
- (j) Mention one major cause of soil erosion.

2. Give short answers of the following : $2 \times 5 = 10$

- (a) What do you understand by sustainable development?
- (b) Define global warming.
- (c) Explain the meaning of environmental education.
- (d) What is the relationship between population explosion and environmental degradation?
- (e) How are economic growth and ecological problems correlated?

3. Answer any *four* from the following : $5 \times 4 = 20$

- (a) What do you understand by man-made disasters? Cite an example.
- (b) Discuss the role of mass media in population control.

(3)

- (c) How does population affect the quality of life?
- (d) Examine the role of education for coping with environmental stressors.
- (e) What are the main objectives of environmental education?
- (f) Discuss the importance of environmental education as an academic discipline.

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

- (a) Discuss the need and importance of environmental education. How can environmental education be imparted at the secondary level? $4 + 6 = 10$
- (b) "Humanity in the present century is faced with the serious threat of environmental degradation." Justify the statement. 10
- (c) Discuss the major objectives of population education in the context of the 21st century, highlighting its need and importance. $6 + 4 = 10$
- (d) Briefly discuss the programmes undertaken by UNESCO to improve the quality of life of the world population. 10