No. of Printed Pages : 4

# BTPS–044

## INTEGRATED TEACHER EDUCATION PROGRAM (ITEP)

## (BSCBED)

## Term-End Examination

## June, 2026

### BTPS-044 : ECOLOGY

*Time : 3 Hours* *Maximum Marks : 100*

***Note :*** *(i) Attempt all questions.*

*(ii) Draw a labelled diagram wherever necessary.*

1. (a) Fill in the blanks : 5×2=10

(i) Plants and animals are ..... components.

(ii) Soil is an example of ..... factor.

(iii) A group of individuals of same species is called ..... .

(iv) Decomposers release nutrients back into ..... .

(v) Recycling of nutrients is called ..... .

(b) Define the following : 5×2=10

(i) Eutrophication

(ii) Pollution

(iii) Ecotone

(iv) Biodiversity

(v) Parasitism

2. Differentiate any *four* of the following : 5×4=20

(i) In-situ and Ex-situ Conservation

(ii) Regulators and Conformers

(iii) Food Chain and Food Web

(iv) Autecology and Synecology

(v) Exponential Growth and Logistic Growth

3. With the help of a labelled diagram explain the following :

(a) Carbon cycle along with a suitable labelled diagram. What is the importance of carbon cycle ? 10

(b) What is Ecological Succession ? Explain different stages for succession with the help of a suitable diagram. 10

4. Attempt any *two* of the following : 2×10=20

(a) Describe human evolution and major stages of development.

(b) Define Community. Explain its structure and characteristics.

(c) Define Humic Soil. Explain soil profile, its horizons and the major causes of soil erosion.

5. Attempt any *one* of the following : 1×20=20

(a) Discuss biodiversity loss and its consequences. Explain wildlife conservation methods.

(b) Explain climate change and its ecological impact in detail.

(c) Describe the concept of resistance and resilience in ecosystem stability with a suitable diagram.

× × × × ×