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**Y—142—2019**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Sc. (Third Year) (Fifth Semester) (Backlog) EXAMINATION**

**OCTOBER/NOVEMBER, 2019**

**(CBCS Pattern)**

**ZOOLOGY**

**Paper-XIII (D) (Applied Zoology) (DSEZ-I)**

**(Environmental Biology-I)**

**(Wednesday, 20-11-2019)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt All questions.*

*(ii) All questions carry equal marks.*

*(iii) Illustrate your answers with suitable labelled diagrams wherever necessary.*

1. Attempt any *four* of the following : 8

(a) Atmosphere

(b) Ecosystem

(c) Biodiversity

(d) Wildlife

(e) Hydrosphere

(f) Grazing food chain.

2. Attempt any *two* of the following : 8

(a) Chemical properties of water.

(b) Structural components of Ecosystem.

(c) Soil profile.

P.T.O.

3. Attempt any *one* of the following : 8
- (a) Describe energy flow in an Ecosystem.
  - (b) What is lithosphere ? Explain the process of soil formation.
4. Attempt any *two* of the following : 8
- (a) What is Biodiversity ? Give an importance of biodiversity.
  - (b) Overexploitation of Resources.
  - (c) Conservation of wild-life.
5. Attempt any *one* of the following : 8
- (a) What is wildlife ? Give different causes for wildlife depletion.
  - (b) Give In-Situ and Ex.Situ conservation.