

This question paper contains 2 printed pages]

**W—121—2018**

**FACULTY OF SCIENCE AND TECHNOLOGY**

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

**OCTOBER/NOVEMBER, 2018**

**(CBCS Pattern)**

**ZOOLOGY**

**Paper XIII-D (DSEZ—I)**

**(Environmental Biology—I)**

**(Wednesday, 24-10-2018)**

**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) Hydrosphere**
- (b) Ecological pyramid**
- (c) Soil Erosion**
- (d) Wildlife Management**
- (e) Atmosphere**
- (f) Parasitic food chain**

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

- (a) Physical properties of water**
- (b) Energy flow in an Ecosystem**
- (c) Nitrogen cycle**

**3. Attempt any *one* of the following : 8**

- (a) Describe concept and structural components of an Ecosystem.**
- (b) Describe Grazing and Detritus food chain.**

**P.T.O.**

- 4. Attempt any *two* of the following : 8
  - (a) What are threats to Biodiversity ?
  - (b) Causes of wildlife depletion.
  - (c) Give aims and necessity of wildlife conservation.
  
- 5. Attempt any *one* of the following : 8
  - (a) What is Biodiversity ? Give In-situ and Ex-situ type of conservation.
  - (b) Describe Sanctuaries and Zoological Parks in India.