

This question paper contains 2 printed pages]

**AO—85—2018**

**FACULTY OF SCIENCE**

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

**MARCH/APRIL, 2018**

**ZOOLOGY**

**Paper XII**

**(Ecology and Zoogeography)**

**(Saturday, 31-3-2018)**

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

**Time—2 Hours**

**Maximum Marks—40**

**N.B. :— (i) All questions are compulsory**

**(ii) Draw well labelled diagrams whenever necessary.**

**(iii) All questions carry equal marks.**

1. Write notes on any *four* of the following : 8
  - (a) Producers
  - (b) Mortality
  - (c) Wind energy
  - (d) Australian realm
  - (e) Lethosphere
  - (f) Fossil fuels.
2. Write notes on any *two* of the following : 8
  - (a) Pond ecosystem
  - (b) Carbon cycle
  - (c) Hydrarch
  - (d) Temperature as abiotic component
3. Write notes on any *two* of the following : 8
  - (a) Population growth form
  - (b) Mutualism
  - (c) Age distribution
  - (d) Competition

**P.T.O.**

4. Write notes on any *two* of the following : 8
- (a) Water pollution (Sources and effects)
  - (b) Advantages and disadvantages of conventional energy resources.
  - (c) Sources and effects of noise pollution
  - (d) Solar energy and Tidal energy.
5. Describe in detail any *one* of the following : 8
- (a) What is wildlife ? Explain aims and necessity of wildlife conservation.
  - (b) Give an account on ecological adaptations of animals in aquatic habitat.