

(i) Printed Pages: 2

Roll No. ....

(ii) Questions : 9

Sub. Code : 

0	1	5	7
---	---	---	---

Exam. Code : 

0	0	0	2
---	---	---	---

B.A./B.Sc. (General) 2<sup>nd</sup> Semester  
(2054)

**ZOOLOGY**

**Paper—II : Biodiversity & Ecology—II (ZOO-202)**

**Time Allowed : Three Hours] [Maximum Marks : 36**

**Note :—**Attempt **FIVE** questions in all, including Question No. 1 which is compulsory and selecting **ONE** question from each Unit.

1. Explain the following in brief :

- (a) Hydrosere
- (b) Greenhouse Effect
- (c) Eutrophication
- (d) Extinct species
- (e) Radula
- (f) Nerve ring
- (g) Tiedmann's bodies
- (h) Mantle.

8×1=8

**UNIT—I**

2. With the help of suitable diagram, explain the respiratory system of Pila. 7

3. (a) Write a note on Eye of Pila. 3  
(b) Classify upto orders and write economic importance of :  
(i) Sepia  
(ii) Octopus. 4

### UNIT—II

4. Describe the Water Vascular System of Star Fish. 7  
5. (a) Discuss the affinities of Balanoglossus with chordates. 3  
(b) Classify upto order and write ecological note on :  
(i) Echinus  
(ii) Asterias. 4

### UNIT—III

6. Explain the various stages, causes and impacts of Ecological Succession. 7  
7. Explain with examples :  
(a) Ammensalism  
(b) Parasitism  
(c) Mutualism. 2+2+3

### UNIT—IV

8. What are the causes, effects and control of land pollution ? 7  
9. Write notes on :  
(a) IUCN Red List  
(b) Project Tiger  
(c) National Parks of India. 3+2+2