

(i) Printed Pages: 3]

Roll No.

(ii) Questions : 9]

Sub. Code :

0	1	5	7
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Exam. Code :

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**B.A./B.Sc. (General) 2nd Semester
Examination**

1047

ZOOLOGY

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

Time : 3 Hours]

[Max. Marks : 36

Note :- Attempt *five* questions in all. Question No. 1 is compulsory and for the rest, select *one* question from each Unit.

1. Write briefly on the following :

- (a) Competitive excusion principle
- (b) Ammensalism
- (c) Climax communities
- (d) Biomagnification

N-34

(1)

Turn Over

- (e) Global warming
- (f) Ospharidium
- (g) Pedicellariae
- (h) Proboscis of *Balanoglossus* 8×1=8

Unit-I

- 2. With the help of a labelled diagram, give an account of nervous system of *Pila*. 7
- 3. (a) Classify upto order and write an ecological note of the following :
 - (i) *Nautilus*
 - (ii) *Sepia*
 - (iii) *Octopus*
 - (iv) *Chiton*
- (b) Draw a labelled diagram of alimentary canal of *Pila*. 4,3

Unit-II

- 4. (a) Give an account of external characters of *Balanoglossus*.
- (b) Draw a labelled diagram of water vascular system of *Asterias*. 4,3

5. Describe different types of larvae found in echinoderms. 7

Unit-III

6. How does mutualism differ from commensalism ?
Giving suitable examples, describe mutualism. 7
7. What is ecological niche ? Give an account of hypervolume niche. 7

Unit-IV

8. Give the causes, impact and control of water pollution. 7
9. Write on the following :
- (a) Renewable natural resources.
 - (b) Control of air pollution 4,3