

05

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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B.A./B.Sc. (General) 2nd Semester
(2042)

ZOOLOGY

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

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :— Attempt total **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) Pericardium
 - (b) Hypobranchial Gland
 - (c) Systemic position of Limax
 - (d) Pedicellariae
 - (e) Collarette
 - (f) Vulnerable species
 - (g) Buffer Zone
 - (h) Acid Rain.

8×1=8

UNIT—1

2. With the help of suitable diagram, give an account of Nervous System of Pila.

7

3. Classify upto orders and write an ecological note on the following :-
- (a) Ostrea
 - (b) Nautilus
 - (c) Pecten.

7

UNIT—2

4. Give an account of Digestive System in Starfish. 7
5. (a) Explain external characters of Balanoglossus and its affinities with chordates. 5
- (b) Write ecological note on :-
- (i) Ophiothrix
 - (ii) Echinus.

2

UNIT—3

6. Explain with suitable examples :-
- (a) Parasitism
 - (b) Commensalism
 - (c) Predation.
7. Write a note on :-
- (a) Causes of Ecological Succession 4
 - (b) Characteristics of Ecological Succession. 3

UNIT—4

8. What is water pollution ? Explain its effects and measures to control it. 7
9. Write a note on :-
- (a) IUCN Red list and Project Tiger 4
 - (b) Wind Energy. 3