

[This question paper contains 4 printed pages.]

1919

Your Roll No.

B.Sc. Prog./II

E

LS-202 – BIODIVERSITY – II (ANIMALS)

(Admissions of 2008 and onwards)

Time : 3 Hours

Maximum Marks : 75

*(Write your Roll No. on the top immediately
on receipt of this question paper.)*

Section-A

(37 Marks)

*Answer **three** questions in all, including
Question No.-I which is compulsory.*

1. (a) Give the location and function of the following:

(i) Aristotle's Lantern

(ii) Ospharidium

(iii) Nematocyst

(iv) Ommatidium (4)

(b) Name the causative organism of the following
diseases:

(i) Malaria

P.T.O.

- (ii) Kala-Azar
 - (iii) Sleeping sickness (3)
- (c) Differentiate between:
 - (i) Radial and Bilateral symmentary
 - (ii) Faculative and Obligate Parasite
 - (iii) Enterocoel and Schizocoel (6)
- 2. (a) Give an accouont of Polymorphism in Hydrozoa. (6)
- (b) Describe water Vascular System in Echinoderms. (6)
- 3. (a) Define metagenesis. Explain the process with the help of an example. (6)
- (b) What are coral reefs? Describe different types of coral reefs. (6)
- 4. Write short notes on any two of the following:
 - (i) Parasitic adaptations in Ascaris
 - (ii) Gemmules
 - (iii) Vision in Arthropoda (6,6)

Section-B

(38 Marks)

*Answer any three questions in all, including
Question No.-1 which is compulsory.*

1. (a) Give one example of the following:

- (i) Catfish
- (ii) Limbless Amphibian
- (iii) Tunicates
- (iv) Flying Lizard (4)

(b) Define:

- (i) Euryhaline
- (ii) Canines
- (iii) Hoof
- (iv) Claspers (4)

(c) Differentiate between:

- (i) Derotremata and Myctodera
- (ii) Acrodont and Thecodont
- (iii) Prong Horn and Hollow Horn (6)

2. Define Migration and explain Catadromous migration
with example. (12)

P.T.O.