



Reg. No. :

Name :

First Semester B.Sc. Degree Examination, November 2018
First Degree Programme Under CBCSS
Complementary Course for Botany, Home Science and Bio-Chemistry
ZO 1131.1 : ANIMAL DIVERSITY – I
(Common for 2013 and 2014 Admissions)

Time : 3 Hours

Max. Marks : 80

Instruction : Draw diagrams *wherever* necessary.

- I. Answer **all** questions in **one** or **two** sentences. **Each** question carries **one** mark.
- 1) What is pseudocoel ? Name a group in which it is present.
 - 2) Name two molluscs one with external shell and the other with internal shell.
 - 3) What is petasma ? Mention its function.
 - 4) Name the light perceiving visual units of the compound eye of prawn.
 - 5) What are the excretory organs of platyhelminthes ?
 - 6) How will you identify a male cockroach ?
 - 7) What is red tide ? Name the organism associated with it.
 - 8) Why *Taenia solium* is considered as digenetic parasite ?
 - 9) Which animal is known as 'apple snail' ?
 - 10) What are Choanocytes ? **(10×1=10 Marks)**
- II. Answer **any eight** of the following. **Each** question carries **two** marks. Answer **not** to exceed **one** paragraph.
- 11) Explain parasitic castration with one example.
 - 12) What are cnidoblasts ? Mention their function.
 - 13) Mention two major differences between the alimentary canal of nematodes and that of platyhelminthes.
 - 14) Explain discontinuous distribution with one example.



- 15) What is a living fossil ? Give one example.
- 16) What is meant by tissue grade of organization ?
- 17) Explain bilateral symmetry with an example.
- 18) List out four parasitic adaptations of Ascaris.
- 19) Differentiate between Schizocoel and Haemocoel.
- 20) Name the class and phylum to which the following animals belong :
 - i) Aurelia
 - ii) Bipalium
- 21) What are Statocysts ? What is their function ?
- 22) Explain polymorphism with reference to Physalia. **(8×2=16 Marks)**

III. Answer **any six** of the following. **Each** question carries **four** marks. **Each** answer should **not** exceed **120** words.

- 23) With the help of diagrams describe the structure of labium and maxilla of cockroach.
- 24) Write an account on two pests of stored food grains.
- 25) What is heteronereis ? Explain its anatomical and morphological modifications.
- 26) Give an account on parasitic flatworms.
- 27) Explain vermiculture and its importance
- 28) What is five kingdom classification ? Mention its merits and demerits.
- 29) Explain the process of feeding and digestion in prawn.
- 30) Define coelom. Explain the different types of coeloms found in animals.
- 31) Write an account on the economic importance of molluscs. **(6×4=24 Marks)**

IV. Answer **any two** of the following :

- 32) Describe the life history of malarial parasite.
 - 33) Enlist the general characters of phylum Echinodermata and classify it upto classes.
 - 34) Describe the digestive system of cockroach.
 - 35) With the help of diagrams describe the cephalic and abdominal appendages of prawn. **(2×15=30 Marks)**
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