



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
(2015 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

Instruction : Draw diagrams wherever necessary.

- I. Answer the following questions (In **one** or **two** sentences. **One** mark each).
- 1) *Trichonympha*.
 - 2) Parazoa.
 - 3) Bilateria.
 - 4) *Spongilla*.
 - 5) *Trichinella*.
 - 6) Heteronereis.
 - 7) *Pila*.
 - 8) Statocyst.
 - 9) *Spodoptera*.
 - 10) Echinoidea. (10×1=10 Marks)
- II. Answer **any eight** of the following (**Not** to exceed **one** paragraph. **Each** carries **two** marks).
- 11) Distinguish between Protostomia and Deuterostomia.
 - 12) Write notes on five kingdom classification.
 - 13) Define Metamerism.
 - 14) Write notes on branchial formula of prawn.
 - 15) Write notes on parasitic adaptations of *Hirudinaria*.
 - 16) Write notes on *Sacculina*.

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- 17) Write notes on *Tribolium*.
- 18) Comment on sexual dimorphism in *Ascaris*.
- 19) Write notes on pearl oyster.
- 20) Write notes on Atoll reef.
- 21) Distinguish between *Culex* and *Anopheles* mosquitoes.
- 22) Write notes on Ophiopluteus larva.

(8×2=16 Marks)

III. Answer **any six** of the following (**Not** to exceed **120** words. **Each** carries **four** marks).

- 23) Describe the classification of animals based on coelom.
- 24) Write notes on polymorphism in cnidaria.
- 25) Write notes on vermiculture.
- 26) Write notes on affinities and evolutionary significance of *Peripatus*.
- 27) Give an account of any pests of coconut.
- 28) Discuss the significance of corals.
- 29) Describe the structure of eye of prawn.
- 30) Write notes on parasitic adaptations of nematodes.
- 31) Write notes on larval stages of Echinodermata.

(6×4=24 Marks)

IV. Answer **any two** of the following (**fifteen** marks **each**).

- 32) Classify phylum Mollusca with examples and salient features.
- 33) Give an account of human nematode parasites.
- 34) With the help of labelled diagrams, describe the appendages of prawn.
- 35) Give an account of various arthropodan pests.

(2×15=30 Marks)
