Reg. No. : .....

(Pages : 2)

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Name : .....

First Semester B.Sc. Degree Examination, February 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 **all** questions in **one** or **two** sentences (**Each** question carries **one** mark) :

1) *Noctiluca.*
2) Parazoa.
3) Pseudocoelomata.
4) *Spongilla.*
5) *Trichinella.*
6) *Neopilina.*
7) Heteronereis.
8) Statocyst.
9) *Tribolium.*
10) Asteroidea.

(10×1=10 Marks)

II. Answer **any eight** of the following (**Each** question carries **two** marks) (Answer **not** to exceed **one** paragraph **each**) :

11) Write notes on two kingdom classification.
12) Distinguish between schizocoela and enterocoela.
13) Write notes on branchial formula.
14) Define metagenesis.
15) Comment on sexual dimorphism in *Ascaris.*
16) Enumerate the parasitic adaptations of *Hirudinaria.*
17) Comment on *Sacculina.*
18) Write notes on Pearl oyster.

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19) Distinguish between protostomia and dueterostomia.
20) Write notes on any two larval stages of Auselia.
21) Comment on metamerism.
22) Write notes on auricularia larva.

(8×2=16 Marks)

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

23) Describe the classification of animals based on symmetry.
24) Write notes on polymorphism in Cnidaria.
25) Write notes on parasitic adaptations of nematodes.
26) Write notes on vermiculture.
27) Describe the structure of eye of prawn.
28) Give an account of any two stored grain pests.
29) Enumerate the general characters of phylum Mollusca.
30) Write notes on the affinities and evolutionary significance of *Peripatus*.
31) Explain the digestive system of prawn.

(6×4=24 Marks)

IV. Answer **any two** of the following (**Each** question carries **fifteen** marks) :

32) Give an account of the economic importance of molluscs.
33) Write an essay on arthropodan pests.
34) With the help of labelled diagrams describe the appendages of prawn.
35) Classify phylum Echinodermata with examples and salient features.

(2×15=30 Marks)

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