SS – 370

I Semester B.Sc. Examination, November/December 2018
(CBCS) (2014 – 15 & Onwards) (Repeaters)
(Prior to 18 – 19)
ZOOLOGY (Paper – I)
Non-Chordata – I

Time : 3 Hours Max. Marks : 70

Instructions : *1) Draw **neat** labelled diagrams **wherever** necessary.*
*2) Answers should be **completely** in **Kannada** or **English**.*

PART – A

I. Answer **any five** of the following : **(5×3=15)**

1) What is symmetry ? Mention any two types.
2) Define true metamerism citing a suitable example.
3) Name the locomotory organelles in protozoa.
4) Draw a neat labelled diagram of the externals of sycon.
5) Mention any three unique characters of ctenophora.
6) Name the disease caused by the following parasites :
   a) Plasmodium vivax.
   b) Ascaris lumbricoides.
   c) Wuchereria bancrofti.
7) Write a note on vermicompost.

PART – B

II. Answer **any five** of the following : **(5×5=25)**

1) What is coelom ? Differentiate between pseudocoelom and eucoelom with examples.
2) Write a note on holozoic nutrition in protozoa.
3) Name any five types of cells found in Sycon and mention their function.

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4) What are coral reefs ? Explain any one type of coral reef.

5) Describe the externals of planaria with a neat labelled diagram.

6) Explain the digestive system of earthworm with a neat labelled diagram.

7) Give the occurrence, mode of transmission, disease caused and preventive measures of Entamoeba histolytica.

PART – C

III. Answer **any three** of the following : **(3×10=30)**

1) Enumerate the general characters of phylum protozoa. Classify upto classes with an example each.

2) With reference to sponges, explain syconoid and rhagonoid canal systems.

3) Write notes on :
   a) Feeding and digestion in Hydra.
   b) Polymorphism in Halistemma.

4) With a neat labelled diagram, explain the male reproductive system of earthworm.

5) Explain the life cycle of Taenia solium.

6) Write notes on :
   a) Economic importance of leech.
   b) Parasitic adaptations in flatworms.