

NS - 329

I Semester B.Sc. Examination, November/December 2016  
(CBCS) (2014-15 and Onwards) (Freshers + Repeaters)  
ZOOLOGY (Paper - I)  
Non-Chordata

Time: 3 Hours

Max. Marks: 70

- Instructions:** 1) Draw diagram *wherever* necessary.  
2) Answer should be **completely** in **Kannada or English**.

PART - A

**BMSCW**

(5×3=15)

I. Answer **any five** of the following :

- 1) Define metamerism. Mention any two types.
- 2) Differentiate between tissue and organ level of Organisation.
- 3) Write note on euglenoid movement.
- 4) Mention any three affinities of Ctenophora with Coelenterata.
- 5) Name any three classes of Platyhelminthes with an example for each.
- 6) Write a note on Economic importance of Leech.
- 7) Give the occurrence, disease caused and mode of transmission of Wuchereria Bancrofti.

PART - B

II. Answer **any five** of the following :

(5×5=25)

- 1) What are germ layers ? Explain the types with examples.
- 2) Explain holozoic nutrition in protozoa.
- 3) Describe the Syconoid type of canal system.
- 4) Explain the theories on the formation of coral reefs.
- 5) With neat labelled diagram explain the digestive system of Planaria.
- 6) List the general characters of phylum annelida.
- 7) With neat labelled diagram describe miracidium larva of liver fluke.



## PART - C

III. Answer **any three** of the following :

(3x10=30)

- 1) Enumerate the general characters of phylum protozoa. Classify upto classes with suitable examples.
- 2) Describe the process of sexual reproduction in Sycon.
- 3) With reference to Hydra explain :
  - a) mode of feeding and digestion
  - b) nerve net.
- 4) With neat labelled diagram describe the reproductive system in earth worm.
- 5) Mention the occurrence, disease caused, mode of transmission and preventive measures of :
  - a) Plasmodium vivax
  - b) Ascaris lumbricoides.
- 6) Give an account of parasitic adaptation of flatworms.

**BMSCW**