

B.Sc. (Honours) Examination, 2019
Semester–II
Zoology
Course – CCT-III
(Biology of Invertebrates :Helminth to Annelida, and Minor Phyla)

(For Back Candidates)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer *any five* questions.

1. Describe the life cycle of *Ascaris lumbricoides* with a neat diagram. Add a note on its pathogenicity. 6+2=8
 2. With the help of neat diagram, describe the excretory system and reproductive system of *Dugesia* sp. 4+4=8
 3. Classify the Phylum Annelida upto class and give a brief account of each class with examples. 8
 4. Differentiate between *Neanthes* sp. and *Heteroneanthes*. 8
 5. What are the salient features of minor phyla? Give an account of the wheel organ of Rotifera. 3+5=8
 6. Discuss the parasitic adaptations of – (a) *Taenia* sp. and (b) *Hirudinaria* sp. 4+4=8
 7. Write notes on *any two* of the following: 2×4=8
 - (a) Salient features of phylum Platyhelminthes.
 - (b) Economic importance of earthworm.
 - (c) Arrow worms.
 - (d) Parapodia.
-