

B.Sc. 1st Semester (Honours) Examination, 2017 (CBCS)

Subject: Zoology

Paper : CC-I

Time: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

Group-A

1. Answer any five questions:

$2 \times 5 = 10$

- (a) What do you mean by Law of Priority?
- (b) Compare between homonym and synonym.
- (c) What is metachronal movement? In which it can be found?
- (d) What is Loeffler's syndrome?
- (e) What is Cormidia?
- (f) What do you mean by biradial symmetry? In which animal it can be found?
- (g) What is pseudocoelom? How it differs from true coelom?
- (h) What is Atoll?

Group-B

Answer any two questions.

$5 \times 2 = 10$

- 2. Elaborate the conjugation process in *Paramoecium* sp. with suitable diagram. What is mating type?** $4+1=5$
- 3. Give an account of different types of spicules in sponges. Comment on their importance.** $4+1=5$
- 4. Write four key characteristic features of Phylum Nematoda. Classify this Phylum upto classes with characters and examples.** $2+3=5$
- 5. Write down the route of *Ascaris* sp. larva in human body by word diagram. Distinguish between male and female *Ascaris* sp.** $3+2=5$

Please Turn Over

Group-C

Answer *any two* questions.

$$10 \times 2 = 20$$

6. What do you mean by primary and secondary host? How pork tapeworm completes its life cycle? Elaborate with diagram. $2+4+4=10$
7. Write six diagnostic features of phylum cnidaria. Classify phylum cnidaria upto classes with characters and examples. $3+7=10$
8. Define Metagenesis. Briefly describe the process of metagenesis in *obelia* sp with suitable diagram. $2+(6+2)=10$
9. Describe the human cycle of *Plasmodium vivax* with suitable diagram. Distinguish between sporozoite and mesozoite. $(6+2)+2=10$