

**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:

2×5=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.

5×2=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.

10×2=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 merozoite. (6+2)+2=10