

**U.G. 1st Semester Examination - 2020****ZOOLOGY**

Course Code : BZOCCCHC 101

Course Title : Non-chordates I: Protista to

Pseudocoelomates

Full Marks : 30

Time : 2 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **ten** from the following:  $1 \times 10 = 10$
- State the function of Apical Complex.
  - What is prosopyle?
  - Write the name of intermediate host of malarial parasite?
  - What is Hyaline cap?
  - What is Homonymy?
  - State the function of cnidoblast cells.
  - What is the function of Osculum?
  - What is coral reef?

- What is Lasso cell?
  - What are renette cells?
  - How many types of spicule are found in *Sycon gilatinasum*?
  - What is the nature of medusa state?
  - What do you mean by monotypic species?
  - What is the function of Comb plate?
  - What is dendrogram?
2. Answer any **five** from the following:  $2 \times 5 = 10$
- What is metagenesis?
  - What is the function of Gastrovascular Cavity?
  - What is the importance of signet ring stage of *Plasmodium vivax*?
  - Mention two features of Rhabditiform larva.
  - Differentiate paratype and allotype.
  - What is Lagoon?
  - Differentiate taxonomy and systematics.
  - Differentiate prosopyles and apopyles.
3. Answer any **two** from the following:  $5 \times 2 = 10$
- Write a short note on larval migration of *Ascaris lumbricoides*. 5

b) What is the difference between strobilization and segmentation? "Metazoan segmentation followed three different routes of evolution."

—Explain.

$$1\frac{1}{2} + 1\frac{1}{2} + 2 = 5$$

c) Briefly describe the leuconoid type of canal system of phylum porifera with suitable diagram.

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