

## U.G. 3rd Semester Examination - 2021

## ZOOLOGY

## [HONOURS]

## Generic Elective Course (GE)

Course Code : ZOOH-GE-T-01

Full Marks : 40

Time : 2½ 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 **five** questions:  $2 \times 5 = 10$
- What are apopyles and prosopyles?
  - What is amoebiasis? What are its symptoms?
  - Define systematics. What is Principle of priority?
  - Describe the functions of cnidoblast cells.
  - What is chloragogen cell? Write its function.
  - Write two important characters of Gastropoda with example.
  - Write the retrogressive metamorphic characters of *Ascidia*.
  - Write the importance of migration in birds.
2. Answer any **two** questions:  $5 \times 2 = 10$
- Describe the role of microtubules in the locomotion of an *Amoeba*.

- Describe the process of aerial respiration in *Pila*.
  - Write the different types of parental care found in Amphibia.
  - Describe the structure of a typical feather.
3. Answer any **two** questions:  $10 \times 2 = 20$
- Describe the life history, pathogenicity and control measures of *Ascaris lumbricoides*.  $6+2+2$
  - Write down the outline classification of Arthropoda. Briefly describe the caste system found in termite.  $5+5$
  - Write the salient features of Reptilia. What are the types of fangs found in snakes? Describe the process of snake-bite.  $2+3+5$
  - Write notes on (any **four**):  $2 \frac{1}{2} \times 4 = 10$ 
    - Metagenesis in *Obelia*
    - Structure of nephridia
    - Functions of swim-bladder
    - Sebaceous Glands
    - Miracidium Larva
    - Tiedemann's bodies

[Turn Over]