

U.G. 3rd Semester Examination - 2020

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: $2 \times 5 = 10$
- Define systematics. What is Principle of priority?
 - What is amoebiasis? What are its symptoms?
 - What are apophyses and prosopophyses?
 - 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]