

125/Zool

UG/1st Sem/ZOOL(H)/GE-01-T/19

U.G. 1st Semester Examination - 2019

ZOOLOGY

[GENERIC ELECTIVE]

Course Code : ZOOL(H)/GE-01-T

Full Marks : 40

Time : $2\frac{1}{2}$ 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 **five** questions: 2×5=10
- a) How an insect is recognized?
 - b) Mention two locomotory organelles found in protozoa.
 - c) What is taxon?
 - d) State two economic importances of phylum Mollusca.
 - e) How would you define the class Amphibia?
 - f) Give one characteristic by which fishes are identified.
 - g) What is meant by the term 'anapsid' skull?
 - h) Who are gnathostomes?

[Turn over]

2. Answer any **two** questions: $5 \times 2 = 10$

- a) Describe how pseudopodia formation takes place in *Amoeba* sp. 5
- b) How aerial respiration takes place in *pila* while it is in water? 5
- c) Draw and describe contour feather. Mention functions of a feather. 3+2
- d) Differentiate between physostomous and physoclistous swim bladder. What is a hair? 3+2

3. Answer any **two** questions: $10 \times 2 = 20$

- a) Write down the systematic position with two salient characters of each taxa of the following animals (any **four**): $2\frac{1}{2} \times 4 = 10$

- i) *Pila* sp.
- ii) Sea cucumber
- iii) Sea anemone
- iv) *Rohu*
- v) *Amoeba* sp.
- vi) Salamender

- b) i) Where the adult *Fasciola hepatica* lives?
What is the infective stage of *F. hepatica*?

ii) Differentiate between male and female *Ascaris* sp.

iii) State the diseases caused by *Ascaris* in human. Add a note on remedial measures.

3+3+(2+2)

c) i) What is rete mirabile? State its function.

ii) What do you mean by streptostylic skull?

iii) What is fang? State its function.

iv) State functions of venom gland in poisonous snake.

3+2+(1+1)

d) i) What are the different types of canal system found in Porifera?

ii) State significance of canal system.

iii) Briefly discuss functions of water vascular system.

iv) Draw and describe the structure of a tube feet.

2+3+2+3