

**U.G. 1st Semester Examination - 2025****ZOOLOGY****[MINOR]****Course Code : ZOO-MI-T-101****(Basic Idea of Animal Diversity and Taxonomy)****[NEP-2020]****Full Marks : 25****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 five of the following:  $1 \times 5 = 5$
- a) What is Amoebiasis? Write one symptom of this disease.
  - b) Name the locomotory organelle found in Protozoa for Amoeboid movement.
  - c) State the scientific name of Liver fluke and name the disease caused by it.
  - d) Write one characteristic feature of Gastropod with one suitable example.
  - e) What is Madreporite?
  - f) Write two functions of swim bladder.
  - g) What are antlers?
  - h) What is a Filoplume?

*[Turn over]*

2. Answer any **two** of the following:  $5 \times 2 = 10$

a) What is parental care? Explain two types of parental care in Amphibia with suitable example.

2+3

b) Explain the life cycle of *Entamoeba histolytica* with suitable labelled diagram.

5

c) Answer any **one** of the following:  $5 \times 1 = 5$

i) Metagenesis in *Obelia*.

ii) Syconoid type of canal system.

iii) Poison apparatus of snake.

d) Describe classification of Amphibia with characteristic features up to living orders with one suitable example.

5

3. Answer any **one** of the following:  $10 \times 1 = 10$

a) Describe the life cycle of *Ascaris lumbricoides* with suitable labelled diagram. Write the name of the disease caused by it and mention one symptom, pathogenicity and control measures.

6+4

b) What is double mode of respiration? Explain the respiratory structure and mechanism of respiration of *Pila* when it lives both in land and water.

2+4+4