

**U.G. 1st Semester Examination - 2024****ZOOLOGY****[MINOR]****Course Code : ZOOL-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.***Answer all the questions.**

1. Answer any five of the following : 1×5=5
- a) What is Systematics?
  - b) What is Synonymy?
  - c) What is meant by Metagenesis?
  - d) Mention one difference between male and female *Ascaris lumbricoides*.
  - e) What are antlers?
  - f) Mention one characteristic feature of Anapsida.
  - g) Write one difference between Chondrichthyes and Osteichthyes.
  - h) Name one characteristic feature of Apoda.

*[Turn over]*

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

a) What is double mode of respiration? Describe the poison apparatus of snake.  $2+3$

b) Describe the excretory organs of septal nephridia in Annelida with suitable labelled diagram. Mention the functions of septal nephridia.  $3+2$

c) Write short note on any **one**:  $5$

i) Locomotion in *Ameoba*

ii) Swim bladder in fishes

iii) Conjugation in *Paramoecium*

d) Describe with suitable labelled diagram of structure of typical feather of Bird.  $3+2$

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

a) Describe the life cycle of *Fasciola hepatica* with suitable labelled diagram. Write the name of the disease caused by it and mention one symptom and control measure of this disease.  $5+5$

b) Define the term migration Explain Latitudinal, Longitudinal, Altitudinal types of bird migration. What are the causes of migration?  $2+6+2$

- c) Describe Water Vascular System of Asteroidea with suitable labelled diagram. Mention the functions of water vascular system. 6+4
- d) What do you mean by social insect? Mention different caste systems in termite colony. What is termitarium? Mention functions of different types of termites. 2+3+2+3
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