K25FY3417 Pages: 2 Reg No:.....
Name:.....

Third Semester FYUGP Degree Examination NOVEMBER 2025

KU3DSCZOO203 - DIVERSITY OF LIFE

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. Distinguish between prosoma and opisthosoma.
2. What is silk gland
3. Define neoteny
4. Significance of ascidian tadpole
5. State the difference between cycloid and ctenoid scales.
6. What is diphydonty and monophyodonty. Give examples
7. Define grades of organization in animals with examples.
8. Give two examples of Aschelminthes (nematodes).

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Compare and contrast Rohu and Catla, highlighting their distinguishing external features.
10. Enumerate the main external features used for the identification of Pterophyllum
11. Explain the salient features of class Mammalia
12. Discuss the characteristic features and classification of Cnidaria up to class level.
13. Describe the general characteristics of Phylum Platyhelminthes with examples.
14. How do Fasciola species cause pathology in their hosts? Describe the symptoms and control measures.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Write an essay on Anopheles, analysing its morphology, life cycle, and the mechanism by which it acts as a vector in transmitting malaria to humans, with suitable diagrams.

16. Write an essay on phylum Chordata and construct a classification chart up to class with suitable examples

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