

24U387

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Name :

Reg. No :

THIRD SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2025

(FYUGP)

CC24UZOO3MN201 - ANIMAL DIVERSITY, REPRODUCTIVE BIOLOGY AND DEVELOPMENTAL BIOLOGY

(Zoology - Minor Course)

(2024 Admission - Regular)

Time: 2.0 Hours

Maximum: 70 Marks

Credit: 4

Part A (Short answer questions)

Answer ***all*** questions. Each question carries 3 marks.

1. What is Plasmodium? [Level:1] [CO1]
2. Explain the general characteristics of the kingdom Protista. [Level:2] [CO1]
3. Mention the general characteristics of the phylum Nematoda. [Level:1] [CO1]
4. What is Leucosolenia? [Level:1] [CO1]
5. What are the main differences between the phylum - Annelida and Arthropoda? [Level:1] [CO1]
6. Mention the general characteristics of the phylum Echinodermata. [Level:1] [CO1]
7. Give an account on Osteichthyes. [Level:1] [CO2]
8. What are the salient features of the sub-phylum Cephalochordata? [Level:1] [CO2]
9. What is pluripotency? [Level:1] [CO4]
10. Mention the types of cleavage based on the amount of yolk. [Level:1] [CO4]

(Ceiling: 24 Marks)

Part B (Paragraph questions/Problem)

Answer ***all*** questions. Each question carries 6 marks.

11. Describe cold-blooded and warm-blooded animals and why the Aves are known as warm-blooded animals. [Level:2] [CO2]
12. Explain the three main groups of mammals. [Level:2] [CO2]
13. Discuss the salient features of the class Reptilia. [Level:2] [CO2]
14. Discuss the salient features of the class Amphibia. [Level:2] [CO2]

15. Discuss menstruation. [Level:2] [CO3]

16. Explain the Wolffian duct. [Level:2] [CO3]

17. Explain ARTs. [Level:2] [CO3]

18. Discuss egg membranes and egg envelope. [Level:2] [CO4]

(Ceiling: 36 Marks)

Part C (Essay questions)

Answer any ***one*** question. The question carries 10 marks.

19. Describe the prenatal diagnostic techniques. [Level:2] [CO3]

20. Describe gametogenesis and fertilization. [Level:2] [CO3]

(1 × 10 = 10 Marks)
