

24U387

(Pages: 2)

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)**

\*\*\*\*\*