QP Code: D134254	Total Pages:1	Name:
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THIRD SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2025

(CUFYUGP)

ZOO3MN201 ANIMAL DIVERSITY, REPRODUCTIVE BIOLOGY AND DEVELOPMENTAL BIOLOGY

2024 Admission onwards

Maximum Time: 2 Hours | **Maximum Marks: 70**

Section A

All Questions can be answered. Each Question carries 3 marks (Ceiling: 24 Marks)

1	Write the special features of *Vorticella*.
2	State three unique features of the phylum *Cnidaria*.
3	What are the parasitic adaptations of *Hirudinaria*?
4	Comment on *Echeneis*.
5	What are the diagnostic features of chordates?
6	Write notes on *Rhacophorus.*
7	Describe the dentition in *Oryctolagus*.
8	Compare corpus luteum and corpus albicans.
9	Comment on Test tube babies.
10	Elaborate on amphimixis.

Section B

All Questions can be answered. Each Question carries 6 marks (Ceiling: 36 Marks)

11	Describe the sense organs in *Penaeus*.
12	Give an outline of the classification of phylum Chordata up to the class level.
13	Write notes on four types of morphogenetic movements during gastrulation in animals.
14	Classify eggs based on the amount of yolk.
15	What are the physiological and biochemical changes that occur during fertilization?
16	Describe the structure of human blastula with a labelled diagram.
17	Briefly describe any four techniques used for prenatal diagnosis.
18	Describe the structure of a typical cervical vertebra of rabbit with the help of a labelled diagram.

Section C

Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)

19	What is ART? Briefly describe three methods of ART.
20	Discuss sexual dimorphism in *Penaeus*, including a brief overview of the male and female reproductive systems.