

UG-C-2309	BCHEA-02X/ BBOTA-21X
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U.G. DEGREE EXAMINATION –
DECEMBER, 2023.

Chemistry/ Botany

Second Year

ANIMAL DIVERSITY

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

Answer any THREE questions out of Five
questions in 100 words

All questions carry equal marks

1. What is Prochordate with examples?
2. Highlight contractile vacuoles in Paramecium.
3. Salient features of Pedicellaria.
4. List out the types of Scales and their adaptations.
5. Draw a neat sketch on brain of pigeon.

PART B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five
questions in 200 words

All questions carry equal marks

6. Classify the phylum Mollusca up to the class.
7. Describe the structure of Obelia Colony.
8. Describe the circulatory system of Prawn.
9. Illustrate and describe the male reproduction of Calotes.
10. Present a brief account on digestive system of pigeon.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven
questions in 500 words

All questions carry equal marks

11. Classify the phylum Echinodermata up to class with suitable example.
12. Give an account on parasitic adaptations of *Fasciola hepatica*.
13. Describe the water vascular system of star fish.

14. Illustrate and describe the respiratory system of Frog.
 15. Give an account on circulatory system of Rabbit.
 16. Classify the phylum Arthropod with suitable example.
 17. Write an essay on respiratory system of pigeon.
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