



27225(New)

B.Sc. II Semester Degree Examination, April/May. - 2019

ZOOLOGY

Biology of Chordata and Osteology

Paper - 2.1

(New)

Time : 3 Hours

Maximum Marks : 60

Instructions to Candidates:

1. Part A : All questions are Compulsory.
2. Part B: Answer any **FIVE** questions out of seven questions.
3. Draw neat labelled diagrams wherever necessary.

PART - A

I Answer the following questions.

(10×1=10)

1. Vertebrae.
2. Homocercal fin
3. Birds as pollinators
4. Neoteny
5. Ungulates
6. Myotomes
7. Palaeognathae
8. Scutes
9. Heterodont
10. Guano.

PART - B

Answer any **FIVE** of the following questions.

- II.**
- a) Sketch & label pelvic girdle of Frog.
 - b) Distinctive features of Urochordata.

(2×5=10)

[P.T.O.]



(2)

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- III. a) Morphology of Petromyzon. (2×5=10)
b) Characters of Prototheria.
- IV. a) Outline classification of vertebrata upto classes with examples. (2×5=10)
b) Ecology & distribution of hyla and bufo.
- V. a) Types of scales in fishes. (2×5=10)
b) Key points to identify poisonous snakes.
- VI. General characters of Pisces & differentiate between Chondrichthyes and Osteichthyes. (10×1=10)
- VII. Flight adaptations in birds. (10×1=10)
- VIII. Digestive system of rat. (10×1=10)
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11226(Old)

B.Sc. II Semester Degree Examination, April/May - 2019

ZOOLOGY

Biology of Chordata and Histology

Paper - 2.1 [0.S]

(Old)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. Answer should be specific to the question.
2. Draw neat labelled diagram wherever necessary.

I. Answer any TEN of the following.

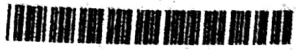
(10×2=20)

1. Homothermic
2. Tunic
3. Hibernation
4. Pneumatic bones
5. Homodont
6. Corpus luteum
7. Viviparity
8. Gnathostomata
9. Rodentia
10. Neoteny
11. Sinusoids
12. Primate

I. Answer any FOUR of the following.

(4×5=20)

13. Histology of Liver
14. General features of Petromyzon
15. Ecology and distribution of Bufo and Salamander.



16. General characters of caphalochordata with example.
17. Digestive system of Rat.
18. General characters of Archaeorinilthes.

III. Answer any FOUR of the following.

(4×10=40)

19. Histology of Testis
 20. Describe Flight adaptation in birds.
 21. Explain Venous system of Rat
 22. Write the General characters of Amphiba and classify upto orders with suitable examples.
 23. Write the General characters of Pisces and difference between Chondrichthyes and Osteichthyes.
 24. Describe the characters of two Poisonous and two non-Poisonous snakes of India.
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