

QP CODE: 19101750



Reg No :

Name :

B.Sc. DEGREE (CBCS) EXAMINATION, MAY 2019

Second Semester

Complementary Course - **ZY2CMT02 - ZOOLOGY - CHORDATE DIVERSITY**

(Common for B.Sc Botany Model I ,B.Sc Botany Model II Environmental Monitoring And Management,B.Sc Botany Model II Food Microbiology,B.Sc Botany Model II Horticulture and Nursery Management,B.Sc Botany and Biotechnology Model III Double Main ,B.Sc Family & Community Science Model I ,B.Sc Food Science & Quality Control Model III ,B.Sc Biological Techniques and Specimen Preparation Model III,B.Sc Botany Model II Plant Biotechnology,B.Sc Food Technology & Quality Assurance)

2017 ADMISSION ONWARDS

3EF97BA3

Maximum Marks: 60

Time: 3 Hours

Part A

Answer any **ten** questions.

Each question carries **1** mark.

1. Specify the function of pharyngeal gill slits.
2. Define hermaphrodites.
3. Name the replaced structure alternative to the notochord in adults.
4. Write down the two major features of Gnathostomata.
5. Comment on amphibious mode of life.
6. Mention the order to which Bufo belongs.
7. Define sexual dimorphism.
8. Comment on pyloric sphincter.
9. What is mesovarium?
10. Write the significance of patagium.
11. What is pecten?
12. How does the tusk form in elephants?

(10×1=10)





Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Describe the general characters of Thaliacea.
14. Sketch & label Amphioxus.
15. Describe the characteristic features of Cephalopsis.
16. Explain sexual dimorphism with reference to frog.
17. With a suitable diagram explain viscera in frog.
18. Describe venous system in frog.
19. Describe the various types of sense organs in frog.
20. Write down the evolutionary significance of Archaeopteryx.
21. Write a brief note of types of Teeth in Mammals.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Compare and contrast the salient features of the different classes of Pisces citing example.
23. With suitable diagram explain the structure of vertebral column, limb and girdles in frog.
24. Give an elaborate account on the nonpoisonous snakes of Kerala.
25. Give an account on the general adaptation of Aquatic mammals.

(2×10=20)

