

**B.Sc. DEGREE END SEMESTER EXAMINATION - MARCH/APRIL 2019****SEMESTER – 2: ZOOLOGY (COMPLEMENTARY COURSE FOR BOTANY)****COURSE: 15U2CPZOO2, ANIMAL DIVERSITY – CHORDATA**

*(Common for Regular 2018 admission and improvement/supplementary 2017/2016/2015 admission)*

Time: Three Hours

Max. Marks: 60

**PART A*****Answer all questions.***

1. What is Hatchek's pit?
2. Why are Urochordates called tunicates?
3. What is Foramen of Monro?
4. Define heterocercal caudal fin. Give an example.
5. Give the names of V<sup>th</sup> and X<sup>th</sup> cranial nerves in frog.
6. Name the period considered as age of fishes?
7. Study of reptiles is called -----.
8. Define Amniota. Name the classes included under amniota. (1 x 8 = 8)

**PART B*****Answer any 6 questions of the following.***

9. Describe the dentition in frog.
10. Describe the structure of skin in frog.
11. What is os-innominatum?
12. Comment on Ammocoetes.
13. What is paedogenesis? Give an example.
14. List out the fossorial adaptations of Ichthyophis.
15. List the primary chordate characters.
16. What is carotid gland? Comment on its functions. (2 x 6 = 12)

**PART C*****Answer any 4 questions of the following.***

17. Write notes on classification of reptiles with examples for each.
18. Describe the evolutionary significance of archaeopteryx.
19. Explain retrogressive metamorphosis with an example.
20. Describe the mechanisms of respiration in frog.
21. Comment on Latimeria.
22. Name the portal systems in frog and write their function. (4 x 4 = 16)

**PART D*****Answer any 2 questions of the following.***

23. Write an essay on aquatic adaptations of mammals.
24. Describe the structure and working of heart of frog with a neat labeled diagram.
25. Elaborate the adaptations of birds to become the masters of air.
26. Prepare a scheme for the identification of poisonous and non poisonous snakes. (12 x 2 = 24)

\*\*\*\*\*