

B.Sc. DEGREE END SEMESTER EXAMINATION MARCH 2017**SEMESTER – 2: ZOOLOGY (COMPLEMENTARY COURSE FOR BOTANY)****COURSE: 15U2CPZOO2: ANIMAL DIVERSITY – CHORDATA***(Common for Regular 2016 Admission / Supplementary 2015 Admission)*

Time: Three Hours

Max. Marks: 60

PART AAnswer **all** questions. Each question carries 1 mark.

1. What is syrinx?
2. What is acrodont dentition?
3. What is diaphragm?
4. Differentiate between turtles and tortoises.
5. Comment on heterocoelous vertebra.
6. Differentiate between neurotoxic and haemotoxic snake venom with examples.
7. Write the generic name of Lamprey. Name its larva.
8. Urochordates are also called Tunicates. Why?

(1 x 8 = 8)

PART BAnswer **any six** questions of the following. Each question carries 2 marks.

9. Distinguish between Urochordata and Cephalochordata
10. Write on the importance of portal systems in frog.
11. Write the common names and scientific names of any two poisonous snakes of India.
12. List any four features of Prototheria.
13. Comment on the evolutionary significance of Ostracodermi.
14. Enumerate the burrowing adaptations of Ichthyophis.
15. Write on the modes of respiration in frog.
16. Write the phylogenetic importance of Amphioxus.

(2 x 6 = 12)

PART CAnswer **any four** questions of the following. Each question carries 4 marks.

17. Explain retrogressive metamorphosis with an example.
18. List any eight general characters of Super class Pisces.
19. Comment on the evolutionary significance of Archaeopteryx.
20. Classify Reptilia up to subclass. Give examples for each subclass. Add a note on the criterion of classification.
21. Sketch and label the brain of frog.
22. Describe the dentition in mammals

(4 x 4 = 16)

PART D

Answer **any two** questions of the following. Each question carries 12 marks.

23. Describe the structure and working of heart in frog with the help of a neat labeled diagram.
24. Describe the aquatic adaptations of mammals.
25. Give an account on salient features and classification of Urochordata. Write a short account of examples for each class.
26. Write an essay on accessory respiration in fishes. (12 x 2 = 24)
