

Reg. No.....

Name.....

B. Sc. DEGREE END SEMESTER EXAMINATION OCTOBER 2017**SEMESTER – 3: ZOOLOGY (CORE COURSE)****COURSE: 15U3CRZOO3; ANIMAL DIVERSITY - CHORDATA***(For Regular - 2016 Admission and Supplementary / Improvement 2015 Admission)*

Time: Three Hours

Max Marks: 60

Instructions: Answer all questions in part A. Answer any 6 from part B, any 4 from part C and any 2 from part D

PART A*Answer **all** questions. Each question carries 1 mark.*

1. Diastema.
2. Foramen of Monro.
3. Cetacea.
4. Larvacea.
5. Petromyzon.
6. *Latimeria*.
7. Neoteny
8. Labyrinthine organs (1 x 8 = 8)

PART B*Answer **any 6** questions. Each question carries 2 marks.*

9. Distinguish between Perissodactyla and Artiodactyla.
10. Write notes on retrogressive metamorphosis
11. Write notes on affinities of *Amphioxus*.
12. Write notes on placoid scales.
13. Differentiate between Palaeognathe and Neognathae.
14. Enumerate four salient features of class Reptilia
15. Comment on sexual dimorphism in frog
16. Describe briefly the typical vertebra of rabbit (2 x 6 = 12)

PART C*Answer **any 4** questions. Each question carries 4 marks.*

17. State the affinities of *Archaeopteryx*
18. Give an account of lung fishes
19. Describe the brain of frog with a neat and labeled diagram
20. Explain the flight adaptations in birds
21. Give an account of culture fishes of Kerala
22. Describe the reproductive system of frog with neat and labeled diagrams (4 x 4 = 16)

PART D

*Answer **any 12** questions. Each question carries 12 marks.*

23. Give an account of parental care in fishes

24. Describe the arterial system of rabbit with the help of a suitable diagram

25. Explain migration in fishes

26. Explain in detail the dentition in mammals.

(12 x 2 = 24)
