

B. Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2019**SEMESTER 3: ZOOLOGY (CORE COURSE)****COURSE: 15U3CRZOO3, ANIMAL DIVERSITY - CHORDATA**

(For Regular - 2018 Admission and Supplementary / Improvement 2017, 2016, 2015 Admissions)

Time: Three Hours

Max Marks: 60

PART – A

Answer **all** questions. Each question carries 1 Mark.

1. Urostyle.
2. Ammocoetes larva.
3. Synsacrum.
4. Monophyodont.
5. Temporal fossae.
6. *Latimeria*.
7. Hyoid apparatus.
8. *Chelone*.

(1 x 8 = 8)

PART - B

Answer any **six** questions. Each question carries 2 Marks

9. Enumerate salient features of Thaliacea.
10. Explain retrogressive metamorphosis in *Ascidia*.
11. Name any four culture fishes.
12. Comment on the reptilian affinities of *Archaeopteryx*.
13. Distinguish between ileum and ilium.
14. Comment on special adaptations of lung fishes.
15. *Petromyzon*.
16. Differentiate between Paleognathe and Neognathe.

(2 x 6 = 12)

PART – C

Answer any **four** questions. Each question carries 4 Marks

17. What are the different types of migratory fishes?
18. Describe pelvic girdle of frog.
19. Explain portal system in frogs. Write significance of portal system.
20. Write note on scales in fishes.
21. Give an account on identification of poisonous snakes
22. Give a brief account on the chordate and nonchordate affinities of *Amphioxus*.

(4 x 4 = 16)

PART – D

*Answer any **two** questions. Each question carries 12 Marks*

23. Describe parental care in Fishes.
24. Describe morphological and anatomical flight adaptations in birds.
25. How are mammals adapted to aquatic mode of life?
26. Give an account on the salient features and classification of class Mammalia. (12 x 2 = 24)
