B. Sc. DEGREE END SEMESTER EXAMINATION MARCH - 2020

SEMESTER – **2: ZOOLOGY (COMPLEMENTARY COURSE FOR BOTANY)**

COURSE: **15U2CPZOO2, ANIMAL DIVERSITY – CHORDATA**

(For Supplementary / Improvement 2018/2017/2016/2015 Admissions)

Time: Three Hours   Max. Marks: 60

PART - A

*Answer **all** questions.*

1. Write on Cotylosauria.

2. What is Corpus callosum?

3. What is Pecten?

4. Why Appendicularia is also called larvaceae?

5. Define Gynaecomastism. Give an example.

6. Tabulate the chordate classes on the basis of capacity of regulation of their body temperature.

7. Name the VI and VII cranial nerves in frog.

8. Give the scientific name of the national aquatic animal   (1 x 8 = 8)

PART - B

Answer any Six questions of the following.

9. Mention the features of reptiles which helped them to successfully conquer land.

10. Write on the arboreal adaptations of chameleon.

11. What is heterocoelous vertebra? Comment on their occurrence and advantage.

12. Write on dentition in mammals.

13. Why are prototherians called unfinished mammals?

14. Enumerate the burrowing adaptations of Ichthyophis.

15. Write on the desert adaptations of Struthio.

16. What is synsacrum? What is its functional advantage?   (2 x 6 = 12)

PART - C

Answer any 4 questions of the following.

17. "If amphioxus had not been discovered it would have to have been invented"- Justify the statement.

18. List any eight general characters of Super class Pisces.

19. What are Ostracodermi? Comment on their evolutionary significance.

20. Classify Reptilia up to subclass. Give examples for each subclass. Add a note on the criterion of classification.

21. Sketch and label the heart of frog.

22. Describe the pectoral girdle of frog. (4 x 4 = 16)

PART - D

Answer any 2 questions of the following.

23. Describe the structure of brain in frog with a neat labeled diagram. Comment on ventricles of brain

24. Describe the aquatic adaptations of mammals.

25. Give an account on salient features and classification of Chordates upto classes. Write examples for each class.

26. Write an essay on accessory respiration in fishes. (12 x 2 = 24)

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