

15U314

(Pages:2)

Name:

Reg. No.....

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2016

(CUCBCSS - UG)

Zoology - Core Course

CC15U ZO3 B03 - ANIMAL DIVERSITY-CHORDATA – I

(2015 Admission)

Time: Three Hours

Maximum: 80 Marks

I. Answer all questions.

1. Periodical reversal of blood flow is found in.....
2. Wheel organ in Branchiostoma is also known as organ
3. Protonephridium is the organ found in Branchiostoma
4. vertebra of frog is Amphicoelus
5. Third eye lid in frog is called
6. Cavum dorsale is partially subdivided by
7. Olfactory ventricle is also known as
8. Two optocoels open into a narrow median canal known as
9. is the opening in the occipital region for the passage of spinal cord.
10. Scientific name of Viper is (10 x 1 = 10 Marks)

II. Short answer (Answer any ten questions, one paragraph each)

11. Explain the significance of ammocoete larva
12. Discuss the Zoological importance of Latimeria
13. Explain the significance and peculiarities of Dipnoi
14. Describe the amphibian adaptations.
15. Enlist the salient features of agnatha giving examples
16. What is aqueduct of Sylvius?
17. Describe the structure of notochord.
18. What are the functions of vertebral column?
19. Describe the structure of forelimb of *Calotes*.
20. Describe the dichotomous key for the identification of snakes in Kerala.
21. Write down the scientific names of any four snakes in Kerala.
22. Describe the structure of atlas vertebra in *Calotes*. (10 x 2 = 20 Marks)

III. Answer any five questions.

23. Describe the primitive, degenerate and specialized characters of Branchiostoma
24. Describe the circulatory system of mullet
25. Illustrate the structure of frog's heart
26. What are the parts of frog's sternum?
27. Compare the structure of pelvic girdle and pectoral girdle in *Calotes*.
28. With a labeled diagram describe the head scales of snake.
29. What are the diagnostic features of the class Reptilia?

(5 x 6 = 30 Marks)

IV. Answer any two questions.

30. Write an essay on visual and auditory sense organs of frog
31. Write an essay on the central nervous system of frog.
32. Write an essay on circulatory system in *Calotes*.

(2 x 10 = 20 Marks)
