

16U318

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Name:

Reg. No.

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2017

(Regular/Supplementary/Improvement)

(CUCBCSS – UG)

CC15U ZO3 B03- ANIMAL DIVERSITY-CHORDATA – I

(Zoology - Core Course)

(2015 Admission Onwards)

Time: Three Hours

Maximum: 80 Marks

I. One word questions (Answer *all* questions)

1. The dorsal shield of *Chelone*.
2. A snake with neurotoxic venom.
3. Name a lung fish found in Africa.
4. Connection between paracoel and diacoel.
5. Order to which *Hylonomus* belongs.
6. Type of jaw suspension in Mullet.
7. Order to which *Chimaera* belongs.
8. Generic name of krait.
9. Excretory structure in *Branchiostoma*.
10. Function of swim bladder in fish.

(10 x 1 = 10 Marks)

II. Paragraph questions (Answer *any ten* questions)

11. Give the salient features of the class Thaliacea.
12. Explain the affinities and systematic position of *Branchiostoma*.
13. Comment on the adaptations of *Chamaeleon*.
14. What is wheel organ? Mention its function.
15. Write notes on *Oikopleura*.
16. What is endostyle?
17. Write notes on *Nasikabatrachussahyadrensis*.
18. Write the salient features of order Chelonia. Give example.
19. What is iter?
20. What is meant by neoteny? Explain with an example.
21. Write notes on the distribution of lung fishes.
22. Mention the salient features of caudata citing examples.

(10 x 2 = 20 Marks)

III. Short answer questions (Answer *any five* questions)

23. Distinguish between selachii and holocephali citing examples.
24. With suitable diagram explain the arterial system in Mullet.
25. Give the salient features of apoda and anura giving suitable example.
26. Write notes on: a) *Trygon* b) *Necturus* c) *Gavialis*
27. Explain the venous system in Frog.
28. With suitable diagram explain the structure of brain of *Calotes*.
29. Give an account on the morphology of *Ascidia*.
30. Enlist the salient features of the order Rhynchocephalia with suitable example.

(5 x 6 = 30 Marks)

IV. Essay questions (Answer *any two* questions)

31. Give an account on the identification key for poisonous snakes with suitable examples.
32. Write an essay on the respiratory system and mechanism of respiration in Amphibia.
33. Classify the following and write notes on:
a) *Doliolum* b) *Myxine* c) *Uraeotyphlus* d) *Daboia*
34. Classify Reptilia down to classes giving salient features and examples.

(2 x 10 = 20 Marks)
