



K20U 1308

Reg. No. :

Name :

**III Semester B.Sc. Degree (CBCSS – Sup./Imp.) Examination, November 2020
(2014 – '18 Adms.)
CORE COURSE IN ZOOLOGY
3B03ZLG : Chordata – I**

Time : 3 Hours

Max. Marks : 40

Instruction : Draw diagrams wherever necessary.

- I. Essay : Answer **any one** : (1×8=8)
- 1) Write an essay on parental care in Ambhibia.
 - 2) Describe the accessory respiratory structures in fishes with example.
- II. Essay : Answer **any one**: (1×8=8)
- 3) With the help of neatly labelled diagram, describe the arterial system of frog.
 - 4) Give an account on biting mechanism of snake and snake venom.
- III. Short Essay : Answer **any two** : (2×4=8)
- 5) Write a short note on the arboreal adaptation of Rhacophorus.
 - 6) Differentiate between Chondrichthyes and Osteichthyes.
 - 7) Comment on the evolutionary significance of Amphioxus.
 - 8) Give an account on retrogressive metamorphism with example.
- IV. Paragraph : Answer **any four** : (4×2=8)
- 9) What is neotony ? Give an example.
 - 10) What is wheel organ ? Mention its function.
 - 11) Write a note on ammocoete larva.
 - 12) What is living fossil? Give an example.
 - 13) What is Jacobson's organ? Mention its function.
 - 14) Write a note on lung fishes.
 - 15) Comment on Ichthyophis.

P.T.O.



V. Answer any six (in one or two sentences) :

(6x1=6)

- 16) What is tympanum ?
- 17) What is labyrinthine organ ?
- 18) What is hyostylic jaw suspension ?
- 19) What is hepatic portal circulation ?
- 20) What is metamerism ?
- 21) What is electric organ ?
- 22) What is atrium ?
- 23) Write a note on coelom.

VI. Match the following :

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- | A | B |
|----------------|----------------|
| a) Chimaera | remora |
| b) Protopterus | lampreys |
| c) Echeneis | ghost shark |
| d) Cyclostomes | nile lung fish |
