



K20U 1854

Reg. No. :

Name :

**III Semester B.Sc. Degree CBCSS (OBE) – Regular
Examination, November 2020
(2019 Admission Only)
CORE COURSE IN ZOOLOGY
3B03 ZLG : Chordata – 1**

Time : 3 Hours

Max. Marks : 40

Instruction : Give illustrations and figures **wherever** necessary.

- I. Essay questions (**Each** question carries **8** marks). Answer **any two** :
- 1) Describe the structure and metamorphosis of Ascidia larva.
 - 2) Write an essay on the structure of heart and arterial system of shark.
 - 3) Write an essay on the classification of class reptilia up to order with examples.
 - 4) Write an essay on accessory respiration in fishes. (2×8=16)
- II. Short essay (**Each** question carries **4** marks). Answer **any two** :
- 5) Write an essay on migration of fishes.
 - 6) Describe the chordate and non chordate affinities of Amphioxus.
 - 7) Describe the structure of the brain of *Euphlyctis hexadactylus*. (2×4=8)
- III. Short answer questions (**Each** question carries **2** marks). Answer **any six** :
- 8) Comment on Sphenodon.
 - 9) Describe the poisonous apparatus of snake.
 - 10) Briefly explain the aquatic adaptations of fish.
 - 11) Write notes on Oikopleuran house.
 - 12) What is notochord ?
 - 13) Mention the characters of Dipnoi.
 - 14) Mention the salient features of Chimera.
 - 15) Mention the features of Axolotl larva. (6×2=12)

P.T.O.



IV. Multiple choice questions (Each question carries 0.5 marks). Answer all :

- 16) Cartilaginous fishes do not have
a) Operculum b) Scales c) Gill slits d) Pelvic fins
- 17) Skull is present in
a) Urochordata b) Cephalochordata
c) Vertebrata d) None
- 18) Which of the following animal is reptile ?
a) Toad b) Salamander c) Newt d) Turtle
- 19) _____ shows catadromous migration.
a) Anguilla b) Salmon c) Lamprey d) Sturgeon
- 20) Venous heart is found in
a) Amphibians b) Reptiles c) Fishes d) Birds
- 21) Disappearance of tadpole tail during metamorphosis is brought about by
a) Golgi bodies b) Lysosomes
c) Peroxisomes d) Endoplasmic reticulum
- 22) Scientific name of king cobra is
a) *Naja naja* b) *Bungarus coeruleus*
c) *Naja hannah* d) *Vipera russelli*
- 23) How many pairs of cranial nerves are found in frog ?
a) 10 b) 08 c) 12 d) 16 (8×0.5=4)
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