



K22U 3657

Reg. No. :

Name :

**Third Semester B.Sc. Degree (CBCSS-OBE – Regular/Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)
CORE COURSE IN ZOOLOGY
3B03ZLG : Chordata – I**

Time : 3 Hours

Max. Marks : 40

Instruction : Give illustrations and figures wherever necessary.

- I. Essay questions. (Each question carries 8 marks; answer any 2) : (2×8=16)
- 1) Write an essay on the salient features and classification of Agnatha.
 - 2) Describe the key for the identification of poisonous and non-poisonous snakes.
 - 3) With suitable diagram explain the structure of heart of frog.
 - 4) Write the fundamental and general characters of Chordates and their classification.
- II. Short Essay. (Each question carries 4 marks; answer any 2) : (2×4=8)
- 5) Explain retrogressive metamorphosis.
 - 6) Sketch and label the structure of ear of Shark.
 - 7) Comment on the importance of Ammocoetes larva.
- III. Short answer questions. (Each question carries 2 marks; answer any 6) : (6×2=12)
- 8) Sketch and label the section of skin of frog.
 - 9) Explain the mechanism of cutaneous respiration in frog.
 - 10) Mention temporal fossa in reptiles.
 - 11) Sphenodon is a living fossil – justify this statement.
 - 12) Write any 4 salient features of order Squamata.
 - 13) Define Portal system.
 - 14) Write any 4 salient features of order Anura.
 - 15) What is the evolutionary importance of Latimeria ?

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K22U 3657



- IV. Multiple choice questions. (Each one carries ½ mark each; answer all) : (8×0.5=4)
- 16) The rasping organ in Petromyzon is

a) Tooth	b) Tongue
c) Mandible	d) None of these
 - 17) Excretory structure of Amphioxus is

a) Nephridium	b) Green gland
c) Solenocyte	d) None of these
 - 18) Division Agnatha includes

a) Cartilaginous fishes	b) Bony fishes
c) Lung fishes	d) Jawless fishes
 - 19) The tough nonliving covering of urochordates is

a) Scale	b) Chitin
c) Tunic	d) Carapace
 - 20) Which among the following is not an amphibian ?

a) Salamanders	b) Newts
c) Caecilians	d) Ichthyosaurus
 - 21) Spot out the non-poisonous snake from the following

a) <i>Hydrophis</i>	b) <i>Enhydrina</i>
c) <i>Typhlops</i>	d) <i>Krait</i>
 - 22) The uricotelic animal in the group

a) Fish	b) Reptile
c) Mammal	d) Amphibia
 - 23) Limbless amphibia belongs to the order

a) Anura	b) Urodele
c) Apoda	d) None of these