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Reg. No.:	
Name :	

VI Semester B.Sc. Degree (CCSS-Supple./Improv.) Examination, May 2017

CORE COURSE IN ZOOLOGY

6B09 ZLG: Diversity of Life II - Chordata

(2009-2013 Admns.)

Time: 3 Hours

Max. Weightage: 25

Instruction: Illustrate wherever necessary.

- I. Answer any one of the following (4 weightage each):
 - 1) Describe the salient features of super class Pisces. Also give an account of the classification of the super class Pisces upto orders giving suitable examples.
 - 2) Give an account on the heart and aortic arches in vertebrates. (Wt: 4×1=4)
- II. Answer any one of the following (4 weightage each):
 - 3) Give an account on the flight adaptations seen in birds.
 - 4) Describe the structure of digestive system in Oryctolagus. (Wt: 4×1=4)
- III. Answerany four of the following (2 weightage each):
 - 5) How will you identify poisonous and non-poisonous snakes?
 - 6) What is retrogressive metamorphosis? Explain it in the case of ascidia.
 - 7) Explain the adaptations of pteropus.
 - 8) Mention the significance of amphioxus.
 - 9) Archeopteryx is considered as a connecting link between reptiles and birds. Explain.
 - 10) Comment on the accessory respiratory organs in fishes.
 - 11) Explain the different kinds of migration seen in birds.

 $(Wt: 2\times 4=8)$

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- IV. Answer any seven of the following (1 weightage each):
 - 12) What are baleen plates?
 - 13) Mention the different types of feathers seen in birds.
 - 14) What is a living fossil? Write one example.
 - 15) Explain neoteny citing one example.
 - 16) Write any 4 adaptations of chameleon.
 - 17) What is ammocoete larva?
 - 18) Mention any two flightless birds.
 - 19) Mention the diagnostic characters of chordates.
 - 20) What is marsupium?
 - 21) Differentiate between procoelous and amphicoelous vertebra.

 $(Wt: 1\times 7=7)$

Time: 3 Hours

- V. Answer the following (1 weightage each):
 - 22) a) The scientific name of our national animal.
 - b) Name an aquatic mammal.
 - c) An extinct bird.
 - d) Give the name of a lung fish. Liev who make the smo years were
 - 23) Match the following:
 - a) King of herrings Echidna
 - b) Jerdon's courser Viper
 - c) Blind snake Chimerae
 - d) Ant eater Typhlops

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4). Describe the structure of digesti

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s) Archieopierys, is considered as a compositing limit deliver of Explain.

Explain.

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11) Explain the different kinds of Imgrellon view on Dings.