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K17U 0140

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. Answer **any 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 : 2×4=8)

P.T.O.



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 : 1×7=7)**

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.
 - 23) Match the following :

a) King of herrings	Echidna
b) Jerdon's courser	Viper
c) Blind snake	Chimerae
d) Ant eater	Typhlops
	Endemic
- (Wt : 1×2=2)**