

Reg. No. : .....

Name : .....

## VI Semester B.Sc. Degree (CCSS – Reg./Supple./Improv.) Examination, May 2014 CORE COURSE IN ZOOLOGY

6B09 ZLG: Diversity of Life-II - Chordata

Time: 3 Hours

Max. Weightage: 25

I. Answer any one:

(Weight 4)

- 1) Write an essay on the accessory respiratory organs in fishes.
- Describe the digestive system of shark with the help of a diagram. Add a note on feeding and digestion. (1x4=4)
- II. Answer any one:

(Weight 4)

- 3) Explain the flight adaptations in birds.
- 4) Write an essay on the dentition of mammals.

 $(1 \times 4 = 4)$ 

III. Answer any four:

(Weight 2 each)

- Explain any four major charters common to chordates and higher non-chordates.
- Compare and contrast Urochordates and Cephalochordates.
- 7) Mention the affinities of archaeopteryx.
- 8) Give an account of Cetacea.
- 9) Substantiate, 'Birds are glorified reptiles'.
- 10) Describe the heart of shark.
- 11) Distinguish between chondrichthyes and osteichthyes.

 $(4 \times 2 = 8)$ 

IV. Answer any seven :

(Weight 1 each)

- 12) Heterocercal caudal fin
- 13) Ampullae of Lorenzini
- 14) Rhacophorus



V. Answer the following:  22) a) Lateral line sense organs are found in  b) Number of chambers in the heart of bird is  c) Hydrostatic organs found in fishes are called  d) Brown funnels are found in  23) Match the following:  a) Artiodactyla	15	) Do	odo				
18) Jerdon's courser  19) Harderian gland  20) Diastema  21) Filoplumes. (7x1=7)  V. Answer the following: (Weight 1 each  22) a) Lateral line sense organs are found in	16	) Th	necodont dentition				
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c) Primates 3) Camel		a)	Artiodactyla	1)	Bat		
c) Primates 3) Camel		b)	Carnivora	2)	Seal		
d) Chiroptera 4) Loris (2×1=2		c)	Primates	3)	Camel	\$	
		d)	Chiroptera	4)	Loris		(2×1=2)