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**GIET UNIVERSITY, GUNUPUR – 765022**  
M. Sc. (Third Semester) Examinations, December – 2022  
**20ASPE302 - BIOLOGY OF CHORDATA**  
(Life Science – Animal Science)

Time: 3 hrs

Maximum: 70 Marks

(The figures in the right-hand margin indicate marks.)

**PART – A****(2 x 10 = 20 Marks)****Q.1. Answer ALL Questions**

	CO#	Blooms Level
a. Distinguish between urochordata and cephalochordate.	2	2
b. Write a note on ammocoete larvae.	1	3
c. Distinguish between hemichordate and chordate	1	3
d. Discuss various advancements of chordate over other phyla.	1	4
e. What is paedogenesis?	1	3
f. Write the characters of chordate.	3	4
g. Distinguish between Petromyzon and myxine.	3	1
h. Explain about various segments of skin.	4	3
i. What are the modes of flight?	3	4
j. What do you mean by perching?	4	2

**PART – B****(10 x 5 = 50 Marks)**Answer ANY FIVE questions

	Marks	CO#	Blooms Level
2. Origin and outline classification of the chordates.	10	1	3
3.a. Give an account on affinities of cyclostomata.	5	2	3
b. Write a note on evolution and adaptive radiation in marsupials.	5	2	4
4.a. Give an account of general characters of cecelians.	5	4	4
b. Discuss about parental care in amphibians.	5	3	1
5. Give and account origin and evolution of reptiles and its characters.	10	1	4
6. a. Write about geological time scale.	5	1	3
b. Discuss about the adaptive ration of mammals.	5	3	4
7.a. Give an account to prototheria and metatheria.	5	2	3
b. Discuss about mammal like reptiles.	5	3	1
8. a. Give an account on Sphenodon.	5	2	2
b. Write a note on aquatic mammals and their adaptations.	5	2	3

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