

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2026
(Second Semester)

Branch – **ZOOLOGY**

CHORDATA

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	The notochord in Urochordata is present (i) only in larval stage (ii) Throughout life (iii) only in adults (iv) absent	K1	CO1
	2	Protochordates are considered chordates because they possess (i) vertebral column (ii) Notochord at some stage (iii) cranium (iv) Endoskeleton	K2	CO1
2	3	Placoid scales are found in (i) Cyclostome (ii) Dipnoi (iii) Chondrichthyes (iv) Osteichthyes	K1	CO2
	4	Migration in fishes mainly helps in (i) camouflage (ii) defence (iii) respiration (iv) Breeding and feeding	K2	CO2
3	5	The skin of amphibians is (i) Moist and glandular (ii) feathered (iii) Dry and scaly (iv) Hairy	K1	CO3
	6	Amphibians are called "double life animals" because they (i) have two hearts (ii) live both on land and in water (iii) respire twice (iv) reproduce twice	K2	CO3
4	7	The living fossil among reptiles is (i) calotes (ii) varanus (iii) sphenodon (iv) python	K1	CO4
	8	Amniotic egg is an adaptation for (i) Aquatic life (ii) aerial respiration (iii) Parasitic life (iv) Terrestrial reproduction	K2	CO4
5	9	Pneumatic bones are filled with (i) Air (ii) Bone marrow (iii) Blood (iv) fat	K1	CO5
	10	Air sacs in birds help in mainly in (i) Efficient respiration and flight (ii) Digestion (iii) Reproduction (iv) Excretion	K2	CO5

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Define Notochord and mention its functions.	K2	CO1
		(OR)		
	11.b.	Explain retrogressive metamorphosis in Ascidian.		
2	12.a.	List the general characters of super class Pisces up to the level of classes with examples.	K1	CO1
		(OR)		
	12.b.	Write a brief account of edible freshwater fishes.		
3	13.a.	Illustrate the external morphology of <i>Rana tigrina</i> .	K2	CO3
		(OR)		
	13.b.	Summarize the Metamorphosis in Amphibia.		
4	14.a.	Explain the Digestive system of Calotes.	K2	CO3
		(OR)		
	14.b.	Contrast poisonous and non-poisonous snakes of south India.		
5	15.a.	Examine the general characters of Class Aves.	K2	CO4
		(OR)		
	15.b.	Write an account of flightless birds with examples.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Describe the general characters and outline classification of Phylum Chordata.	K2	CO1
2	17	Explain the parental care in fishes with suitable examples.	K2	CO2
3	18	Analyse the adaptation of Amphibia for terrestrial life.	K4	CO3
4	19	Discuss first aid and preventive measures for snake bite.	K4	CO5
5	20	Write an essay on aquatic adptation in mammals with examples.	K5	CO5

Z-Z-Z

END