

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2025
(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	Which of the following is considered to be the most primitive protochordate? a. Cephalochordates b. Hemichordates c. Pikaia d. Urochordates	K1	CO1
	2	_____ is the excretory organ of Chordata. a. Flame cells b. Proboscis gland c. Nephridia d. Kidney	K2	CO2
2	3	Which is viviparous? a. Shark b. Bony fish c. Lung fish d. Frog	K1	CO1
	4	The circulatory system of Pisces is related to _____. a. Close type b. Open type c. Both a and b d. None	K2	CO2
3	5	Which amphibian is known as limbless amphibia? a. Bufo b. Rana c. Salamander d. Ichthyophis	K1	CO1
	6	The texture of amphibian skin is related to _____. a. Dry b. Moist c. Scaly d. Chitinous	K2	CO2
4	7	How many pairs of cranial nerves are present in the reptiles? a. 8 b. 10 c. 12 d. 14	K1	CO1
	8	_____ is the non-poisonous snake found in India a. Python b. Krait c. Viper d. Cobra	K2	CO2
5	9	What is the most common mode of flight in birds? a. Soaring b. Gliding c. Flapping d. Hovering	K1	CO1
	10	_____ is the another term for Sebaceous glands a. Sweat glands b. Oil glands c. Eccrine glands d. Olfactory glands	K2	CO2

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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.	List out the general characters of Protochordates.	K4	CO4
		(OR)		
	11.b.	Examine the sense organs of <i>Amphioxus</i> .		
2	12.a.	Explain the migration in fishes.	K5	CO5
		(OR)		
	12.b.	Analyze the affinities of <i>Dipnoi</i> .		
3	13.a.	Examine the external morphology of frog.	K4	CO4
		(OR)		
	13.b.	Examine the portal system of frog.		
4	14.a.	Distinguish between poisonous and non-poisonous snakes in South India.	K4	CO4
		(OR)		
	14.b.	Discover and brief note the extinct species of reptiles.		
5	15.a.	List out the general characters of class Aves.	K4	CO4
		(OR)		
	15.b.	Compare the brain structure of pigeon with rabbit.		

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	Examine the digestive system of <i>Branchiostoma</i> .	K4	CO4
2	17	Explain the accessory respiratory organs in fishes.	K5	CO5
3	18	Explain the parental care in <i>Amphibia</i> .	K5	CO5
4	19	Examine the urinogenital system of <i>Calotes</i> .	K4	CO4
5	20	Explain the aquatic adaptation in mammals to their mode of life.	K5	CO5

Z-Z-Z END