

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2025
(First Semester)
Branch - **BOTANY**
ZOOLOGY - I

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 classification of Protozoa is based on a) Mode of feeding b) Mode of reproduction c) Locomotory organelles d) Size and shape	K1	CO1
	2	The skin of shark contains thousands of spine-like structures called -----. a) Placoid scales b) Lateral fin c) Dorsal fin d) All the above	K2	CO2
2	3	The fixed path movement of food vacuoles in Paramecium is called a) Streaming b) Cyclosis c) Phagocytosis d) Taxis	K1	CO1
	4	Animals with self fertilization is a) Paragonimus b) Dugesia c) <i>Taenia solium</i> d) None of the above	K2	CO2
3	5	The earthworm's circulatory system is a) Closed b) Open c) Incomplete d) None of the above	K1	CO1
	6	Pila snails are primarily a) Herbivores b) Carnivores c) Omnivores d) Detritivores	K2	CO2
4	7	The primary respiratory organs of sharks are a) Gills b) Lungs c) Skin d) Both gills and lungs	K1	CO1
	8	Frogs are considered a) Warm-blooded b) Cold-blooded c) Endothermic d) Ectothermic	K2	CO2
5	9	Pigeons have feathers for a) Insulation b) Flight c) Display d) All of the above	K1	CO1
	10	The respiratory system of a pigeon is highly efficient due to a) Air sacs b) Gills c) Lungs d) Skin	K2	CO2

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.	Develop a comparison between the body structures of arthropods and molluscs.	K3	CO3
		(OR)		
	11.b.	Identify and explain the distinguishing characteristics of the class Amphibia, providing examples.		
2	12.a.	Examine the structure of the Obelia colony, focusing on the roles of the gastrozooids and gonozooids.	K4	CO4
		(OR)		
	12.b.	Analyze the pathogenesis associated with different stages of <i>Taenia solium</i> 's life cycle.		
3	13.a.	Examine the external anatomy of <i>Penaeus indicus</i> , in terms of locomotion, feeding, and defense.	K4	CO4
		(OR)		
	13.b.	Inspect the digestive system of <i>Pila globosa</i> .		
4	14.a.	Examine the nervous system of sharks.	K4	CO4
		(OR)		
	14.b.	Analyze the excretory organs and the mechanism of excretion in Frog.		
5	15.a.	Evaluate the structure and function of Pigeon's digestive system.	K5	CO5
		(OR)		
	15.b.	Explain the male reproductive system of Rabbit with a neat sketch.		

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	Explain the characteristic features of phylum Echinodermata.	K5	CO5
2	17	Analyze the structure and life history of <i>Paramecium caudatum</i> .	K4	CO4
3	18	Explain the life history of <i>Megascolex marutii</i> .	K5	CO5
4	19	Examine the organs and mechanisms of respiration in sharks.	K4	CO4
5	20	Discuss the various types of feathers found in <i>Columba livia</i> .	K6	CO5

Z-Z-Z

END