

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BSc DEGREE EXAMINATION MAY 2026
(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	Metamerism is characteristic feature of Phylum a) Platyhelminthes b) Mollusca c) Porifera d) Annelida	K1	CO1
	2	The notochord is present in head region _____ a) Urochordata b) Cephalochordata c) Vetrebrates d) Hemichordata	K2	CO2
2	3	The organ of defense in paramecium is a) Nematocyst b) Oocyst c) Sporocyst d) Trichocyst	K1	CO1
	4	What is the primary function of setae in an earthworm? a) Reproduction b) Respiration c) Locomotion d) Digestion	K2	CO2
3	5	The larval stage of a starfish, which exhibits bilateral symmetry, is known as a) Nauplius b) Bipinnaria c) Nymph d) Trochophore	K1	CO1
	6	Which of the following contains pneumatic bones? a) Whale b) Shark c) Pigeon d) Rana	K2	CO2
4	7	Frogs are _____ a) Homeothermic b) Warm-blooded c) Poikilothermic d) Heterothermic	K1	CO1
	8	Heart of fishes is _____ a) One chambered b) Two chambered c) Three chambered d) Four chambered	K2	CO2
5	9	Which one is graminivorous _____ a) Shark b) Frog c) Pigeon d) Calotus	K1	CO1
	10	Rabbit teeth having a single root and _____ are flat chisel- shaped a) Canines b) Molar c) Incisors d) Premolars	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.	Classify phylum Porifera upto class level with examples.	K2	CO2
		(OR)		
	11.b.	Summarize the general characteristics of Reptiles.		
2	12.a.	Relate the stages present in the life history of obelia with suitable diagram.	K2	CO2
		(OR)		
	12.b.	Describe the external features of Tapeworm.		
3	13.a.	Describe the external features of Earthworm.	K3	CO3
		(OR)		
	13.b.	Explicate the body organization present in Pila.		
4	14.a.	Discuss the dual mode of respiration in the life of frog.	K4	CO4
		(OR)		
	14.b.	Expound the external morphology of shark.		
5	15.a.	Elucidate the external morphology of Rabbit.	K4	CO4
		(OR)		
	15.b.	Examine the digestive system of Pigeon.		

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	Classify the subclasses of Mammals with suitable examples.	K2	CO2
2	17	"Conjugation is important phenomenon of paramecium" – Analyse.	K4	CO4
3	18	"Water vascular system is a hydraulic system present in starfish" - Justify.	K5	CO5
4	19	Elucidate the circulatory system of Frog.	K4	CO4
5	20	Demonstrate the mechanism of respiration in Rabbit.	K2	CO2

Z-Z-Z

END