

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

**BSc DEGREE EXAMINATION DECEMBER 2023
(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	Choose the following one is the largest phylum which comprising 80% of the known species. a) Porifera b) Arthropoda c) Mollusca d) Coelenterata	K1	CO1
	2	Relate the spiny skinned animals with radial symmetry and water vascular system? a) Protozoans b) Annelids c) Helminths d) Echinoderms	K2	CO2
2	3	Find the slipper animalcule. a) Plasmodium b) Euglena c) Paramecium d) Obelia	K1	CO1
	4	Relate the microscopic pincer like structures present in the skin of echinoderms. a) Radii b) Tentacle c) Pedicellariae d) Papula	K2	CO2
3	5	Match the first segment of earthworm. a) Clitellum b) Peristomium c) Prostomium d) Pygidium	K1	CO1
	6	Show the appendages present in the abdomen of <i>Penaeus indicus</i> . a) 5 pairs b) 8 pairs c) 6 pairs d) 19 pairs	K2	CO2
4	7	Which type of receptors is found in lateral line of Scoliodon? a) Thermoreceptors b) Phonoreceptors c) Chemoreceptors d) Photoreceptors	K1	CO1
	8	Show the third eye lid present in the eyes of frog. a) Nuptial pad b) Stratum conium c) Tympanic membrane d) Nictitating membrane	K2	CO2
5	9	How many air sacs are present in Pigeon? a) 5 b) 7 c) 9 d) 3	K1	CO1
	10	Relate a cup like structure which is present in the one end of nephron of Rabbit. a) Bowman's capsule b) hilus c) calyx d) columns of Bertini	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.	List out the salient features of the Phylum Protozoa.	K4	CO4
	(OR)			
	11.b.	List out the general characteristics features of Chordata.		
2	12.a.	Analyze the structure of Paramecium.	K4	CO4
	(OR)			
	12.b.	Describe the structure of Obelia colony with a neat labelled sketch.		
3	13.a.	Organize the typical appendage of <i>Penaeus indicus</i> with a neat sketch.	K3	CO3
	(OR)			
	13.b.	Construct the structure of <i>Pila globosa</i> .		
4	14.a.	Explain the digestive system of Shark.	K5	CO5
	(OR)			
	14.b.	Justify the external morphology of Frog.		
5	15.a.	Describe the external structure of Pigeon.	K3	CO3
	(OR)			
	15.b.	Sketch out the urinary system of 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	Assess the salient features of the Phylum Arthropoda.	K5	CO5
2	17	Explain the life history of <i>Taenia solium</i> .	K5	CO5
3	18	Analyze the water vascular system of star fish with a neat diagram.	K4	CO4
4	19	Inspect the external morphology of Scoliodon with a neat labelled sketch.	K4	CO4
5	20	Analyze the morphology of Rabbit with a neat sketch.	K4	CO4

Z-Z-Z

END