

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**BSc DEGREE EXAMINATION MAY 2024**  
(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	How many major phyla present in Invertebrates? a) 10                      b) 9                      c) 5                      d) 20	K1	CO1
	2	Interpret the following is replaced as notochord in Vertebrates. a) Nerve chord                      b) Cranium c) Bone marrow                      d) Vertebral column	K2	CO2
2	3	Choose the nutritive zooids of Obelia colony. a) Polyps                      b) Blastostyles c) Nematocyst                      d) Medusa	K1	CO1
	4	Relate a small knob like structure situated at the anterior end in <i>Taenia solium</i> . a) Strobila      b) Scolex      c) Neck      d) Proglottid	K2	CO2
3	5	Select the numerous bristles like structure present in the earth worm's skin. a) Setae                      b) Cilia c) Flagella                      d) Pseudopodia	K1	CO1
	6	Show the coils of Pila shell. a) Whorls      b) Suture      c) Lip      d) Sinistral	K2	CO2
4	7	Which type of scales are present in Shark? a) Cycloid      b) Placoid      c) Ctenoid      d) Rhomboid	K1	CO1
	8	Classify the chambers which functions as a sound producing organ in frog. a) Vitreous                      b) Aqueous c) Pharynx                      d) Laryngo tracheal	K2	CO2
5	9	Find the first toe of pigeon. a) rectrices                      b) hallux c) uropygium                      d) None of the above	K1	CO1
	10	Relate the gland which is present in the male and female reproductive system of Rabbit. a) Adrenal                      b) Thyroid c) Cowper                      d) Parathyroid	K2	CO2

**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 general characters of the Phylum Invertebrata.	K4	CO4
		(OR)		
	11.b.	List the salient features of the Class Amphibia.		

Cont...

2	12.a.	Describe the polyps of <i>Obelia geniculata</i> .	K4	CO4
	(OR)			
	12.b.	Analyze the life history of <i>Taenia solium</i>		
3	13.a.	Organize the morphology of <i>Megascolex marutii</i> .	K3	CO3
	(OR)			
	13.b.	Construct the structure of water vascular system of star fish.		
4	14.a.	Justify the morphology of Shark.	K5	CO5
	(OR)			
	14.b.	Explain the process of pulmonary respiration in frog.		
5	15.a.	Organize the respiratory system of Pigeon.	K3	CO3
	(OR)			
	15.b.	Sketch out the external morphology 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	Explain the salient features of the Class Mammalia.	K5	CO5
2	17	Justify the sexual reproduction of conjugation seen in <i>Paramecium caudatum</i> .	K5	CO5
3	18	Analyze the morphology of <i>Penaeus indicus</i> with a neat labelled diagram.	K4	CO4
4	19	Describe the external morphology of frog with a neat sketch.	K4	CO4
5	20	Compare the male and female reproductive system of frog.	K4	CO4

Z-Z-Z

END