

PSG COLLEGE OF ARTS & SCIENCE

(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023

(First Semester)

Branch - ZOOLOGY

INVERTEBRATA / ANIMAL DIVERSITY – 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	Which one of the following animal is so called slipper animalcule? (a) <i>Euglena</i> (b) <i>Amoeba</i> (c) <i>Trypanosoma</i> (d) <i>Paramecium</i>	K1	CO1
	2	The body is perforated by numerous minute pores called ----- Relate the correct choice. (a) Nephridia (b) Slit (c) Ostia (d) micropores	K2	CO2
2	3	Elephantiasis is caused by ----- Relate the correct option. (a) <i>Ascaris lumbricoides</i> (b) <i>Wuchereria bancrofti</i> (c) <i>Taenia solium</i> (d) <i>Entamoeba histolytica</i>	K1	CO1
	4	<i>Taenia solium</i> is otherwise commonly known as----- Relate the correct option. (a) Tape worm (b) Hook worm (c) Pin worm (d) Flat worm	K2	CO2
3	5	Excretory organs of earthworm are called as----- Relate the correct choice. (a) Nephridia (b) kidney (c) Flame cells (d) Malpighian tubules	K1	CO1
	6	Name the culture of earthworm under controlled condition in large scale. (a) Aquaculture (b) Vermiculture (c) Sericulture (d) Apiculture	K2	CO2
4	7	Find out number of walking legs present in <i>Panaeus</i> ? (a) three pairs (b) four pairs (c) five pairs (d) six pairs	K1	CO1
	8	-----is a connective link between arthropods and annelids. Relate the correct choice. (a) <i>Archaeopteryx</i> (b) <i>Balanaglossus</i> (c) <i>Seymouria</i> (d) <i>Peripatus</i>	K2	CO2
5	9	<i>Pila globosa</i> is commonly known as ----- Relate the correct option. (a) apple snail (b) squid (c) sea urchins (d) crabs	K1	CO1
	10	Bipinnaria Larva is characteristic of the class -----of Phylum Echinodermata. Relate the correct choice. (a) Holothuroidea (b) Asteroidea (c) Ophiuroidea (d) Echinoidea	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.	Examine the process of nutrition in Protozoa.	K4	CO4
	(OR)			
	11.b.	Analyze the structure of <i>Leucosolenia</i> with neat diagram.		
2	12.a.	Categorize the Fringing reef (or) Shore coral reefs.	K4	CO4
	(OR)			
	12.b.	Inspect the external morphological features of <i>Taenia solium</i> .		
3	13.a.	Identify general characteristics of Phylum Annelida.	K3	CO3
	(OR)			
	13.b.	Model the preparation of vermibed for culturing of earthworms.		
4	14.a.	Explain external morphology of appendages in marine prawn, (<i>Penaeus</i>) with illustration.	K5	CO5
	(OR)			
	14.b.	Evaluate the affinities of <i>Peripatus</i> .		
5	15.a.	Select key points to draw external morphology of Apple snail.	K3	CO3
	(OR)			
	15.b.	Organize the steps of pearl culture.		

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 process of conjugation in <i>Paramecium</i> .	K4	CO4
2	17	List out any one of the helminth parasite in Man.	K4	CO4
3	18	Inspect the external morphology of Earthworm with illustration.	K4	CO4
4	19	Explain general characteristics features of Phylum Arthropoda.	K5	CO5
5	20	Select the general characters of phylum Echinodermata.	K5	CO5

Z-Z-Z END