

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

**BSc DEGREE EXAMINATION MAY 2025
(First Semester)**

Branch - ZOOLOGY

INVERTEBRATA

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	-----is the temporary union of two individuals for the exchange of nuclear materials in <i>Paramecium</i> . (a) conjugation (b) budding (c) cytoplasmic fission (d) binary fission	K1	CO1
	2	The type of nutrition in Protozoa is Relate the correct choice. (a) Holophytic (b) Holozoic (c) Myxotrophic (d) Saprozoic	K2	CO2
2	3	<i>Wuchereria bancrofti</i> is causing a diseases called as ----- Relate the correct option. (a) amoebiasis (b) Pediculosis (c) elephantiasis (d) giardiasis	K1	CO1
	4	<i>Ancylostoma</i> is a parasitic nematode worm and commonly known as the Old World ----- Relate the correct option. (a) Tape worm (b) Flat worm (c) Pin worm (d) Hook worm	K2	CO2
3	5	Members of phylum -----are segmented worms living in marine, freshwater, and moist terrestrial habitats. Relate the correct choice. (a) Arthropoda (b) Platyhelminthes (c) Ashelminthes (d) Annelida	K1	CO1
	6	Name the culture of earthworm under controlled condition in large scale. (a) Apiculture (b) Sericulture (c) Vermiculture (d) Aquaculture	K2	CO2
4	7	Find out which one is largest phylum in terms of numbers of described species? (a) Platyhelminthes (b) Arthropoda (c) Annelida (d) Ashelminthes	K1	CO1
	8	Find out harmful insect from following? Relate the correct choice. (a) Silk worm (b) Honey bee (c) Mosquitoes (d) Lac insect	K2	CO2
5	9	Body un-segmented (non-metameric) with penta-radial symmetry. This statement is suitable to one of the following phylum. Relate the correct choice. (a) Annelida (b) Ashelminthes (c) platyhelminthes (d) Echinodermata	K1	CO1
	10	Apple snail is otherwise called----- Relate the correct choice. (a) Pila (b) Plasmodium (c) Pearl oyster (d) Phertima	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 characteristic feature of Phylum Porifera.	K4	CO4
		(OR)		
	11.b.	Analyze the structure of <i>Paramecium</i> with neat diagram.		
2	12.a.	List out Causes, symptoms, control measures of <i>Enterobius Vermicularis</i> .	K4	CO4
		(OR)		
	12.b.	Inspect the characteristic feature of Phylum Coelenterata.		
3	13.a.	Organize the external morphology of earthworm with illustration.	K3	CO3
		(OR)		
	13.b.	Model the preparation of vermibed for culturing of earthworms.		
4	14.a.	Explain external morphology of appendages of marine prawn, <i>Penaeus</i> with illustration.	K5	CO5
		(OR)		
	14.b.	Evaluate the affinities of <i>Peripatus</i> .		
5	15.a.	Identify key points to draw general characters of phylum Echinodermata.	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	Inspect the process of conjugation in <i>Paramecium</i> .	K4	CO4
2	17	Categorize the different types of coral reefs.	K4	CO4
3	18	Examine the different life cycle stages of earthworm biology.	K4	CO4
4	19	Explain the general characteristic features of Phylum Arthropoda.	K5	CO5
5	20	Select key points to draw external morphology of Apple snail.	K5	CO5

Z-Z-Z

END