

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2026
(First Semester)

Branch - ZOOLOGY

INVERTEBRATA

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

$$(10 \times 1 = 10)$$

Question No.	Question	K Level	CO
1	Phylum Protozoa is classified based on a) size b) shape c) Number of nuclei d) locomotory organ	K1	CO1
2	Which of the following are the two methods of reproduction in Leucosolenia? a) Binary fission and budding b) Budding and fragmentation c) Fragmentation and sexual reproduction d) Budding and sexual reproduction	K2	CO1
3	Which of the following are the two methods of reproduction in Leucosolenia? a) Binary fission and budding b) Budding and fragmentation c) Fragmentation and sexual reproduction d) Budding and sexual reproduction	K2	CO2
4	In the life cycle of Taenia solium, humans are the: a) Intermediate host b) Definitive host c) Both intermediate and definitive host d) Neither host, but a carrier	K1	CO2
5	The function of the clitellum in a mature earthworm is to: a) Store blood b) Facilitate reproduction by secreting a cocoon c) Aid in locomotion d) Isolate waste products	K1	CO3
6	What is the scientific process of rearing earthworms for composting called? a) Sericulture b) Apiculture c) Vermiculture d) Horticulture	K2	CO3
7	What is the common name for Penaeus monodon? a) Giant freshwater prawn b) Tiger prawn c) Tiger shrimp d) Both b and c	K1	CO4
8	Which of the following is the most commonly cultured species of prawn in India? a) Penaeus monodon b) Fenneropenaeus indicus c) Macrobrachium rosenbergii d) Litopenaeus vannamei	K2	CO4
9	Pila is commonly known as a) Temple snail b) Apple snail c) Pond snail d) Sea snail	K1	CO5
10	Madreporite is associated with (a) Water vascular system (b) Canal system (c) Blood vascular system (d) Digestive system.	K2	CO5

Cont...

SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks

(5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Discribe the life cycle of <i>Paramecium caudatum</i> .	K2	CO1
	(OR)		
11.b.	List at the general character of the phylum porifera.		
12.a.	Draw the sketch Obelia Meduza.	K2	CO2
	(OR)		
12.b.	Give an account on structure of <i>Teania solium</i> .		
13.a.	Explain about the structure of <i>Megascolex marutii</i> .	K3	CO3
	(OR)		
13.b.	Explain the salient features of Annelida.		
14.a.	Relate the structure <i>Penaeus monodon</i> .	K3	CO4
	(OR)		
14.b.	Explain the organisation of Peripatus.		
15.a.	Relate the structure of radial canal, ring canal.	K3	CO5
	(OR)		
15.b.	List out the affinities of Balanoglossus.		

SECTION -C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks

(3 × 10 = 30)

Question No.	Question	K Level	CO
16	Summarize the General character of Invertebrate.	K3	CO1
17	Give an account on coral and Coral reefs.	K3	CO2
18	Explain about the Vermiculture.	K4	CO3
19	How to explain the prawn culture?	K4	CO4
20	Explain about the Pearl culture.	K4	CO5

Z-Z-Z

END