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GIET UNIVERSITY, GUNUPUR - 765022
M. Sc (Third Semester) Regular Examinations, December - 2023
22ASPC301- Biology of Nonchordata
(Animal Science)

Time: 3 hrs

Maximum: 70 Marks

(The figures in the right hand margin indicate marks.)

PART – A**(2 x 10 = 20 Marks)**Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. What is hyaline cap?	CO1	K3
b. Discuss the biological significance of <i>Amoeba</i> .	CO1	K4
c. What is nephridium?	CO2	K4
d. Write the name of the host <i>Taenia solium</i> .	CO2	K4
e. What is the role of cloaca?	CO3	K4
f. What is the importance of sericulture in Indian economy.	CO4	K4
g. The infective stage of <i>Plasmodium</i> .	CO3	K4
h. Define pseudocoelomate.	CO1	K3
i. What are the various forms of amoebocytes in <i>Scypha</i> .	CO1	K3
j. Define metamerism.	CO2	K3

PART – B**(10 x 5 = 50 Marks)**Answer ANY FIVE questions

	Marks	CO #	BL
2.a. Illustrate the water vascular system in Echinoderm.	5	CO3	K3
b. Discuss about parasitism in protozoa.	5	CO1	K3
3.a. Discuss about respiration in Mollusca.	5	CO3	K3
b. Discuss about the regeneration in sponge.	5	CO1	K3
4. a. Explain about the theories of metamerism.	5	CO2	K3
b. Write a note on locomotory organelles.	5	CO1	K3
5.a. Discuss structure and affinities of Hemichordate.	5	CO3	K3
b. Discuss structure and affinities of Bryozoa.	5	CO4	K4
6. Discuss about the larval forms of crustaceans and its significance.	10	CO3	K4
7.a. Illustrate about the respiration of Arthropods.	5	CO2	K4
b. Write a note on silkworm life cycle.	5	CO4	K3
8. Embellish the life cycle of <i>Plasmodium vivax</i> .	10	CO2	K4

