



Reg. No.: .....

Name: .....

## University of Kerala

First Semester FYUGP Degree Examination, December 2025

Discipline Specific Core Course

### ZOOLOGY

#### UK1DSCZOO102 - Diversity of Non-Chordates

Academic Level: 100-199

2025-Admission onwards

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark  
Each.Answer all questions

Qn No.	Question	CL	CO
1	Five Kingdom Classification was proposed by  Options : A) Herbert. F Copeland B) Earnest Haeckel C) Robert . H. Whittaker D) Carolus Linnaeus	RE	1
2	Spongilla differs from marine sponges because it is:  Options : A) Freshwater B) Colonial C) Parasitic D) Bioluminescent	RE	2
3	Cnidoblasts are the defensive organs of  Options : A) Mollusca B) Protista C) Nematode D) Cnidaria	UN	2
4	The Disease Malaria is spread by  Options : A) Culex mosquitos B) Anophelous mosquitos C) Tsetse flies D) Aedis mosquitos	UN	5
5	Cysticercus is a stage in the life cycle of  Options : A) Fasciola B) Taenia C) Wuchereria D) Plasmodium	UN	5
6	Noctiluca is best known for:	UN	2

Qn No.	Question	CL	CO
	Options : A)Parasitism B)Bioluminescence C)Nitrogen fixation D)Disease in humans		

**Part B.8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions**

Qn No.	Question	CL	CO
7	Match the following.	UN	4
8	Explain the polymorphism in Physalia.	UN	2
9	Apply the function of flame cells to explain osmoregulation in Platyhelminthes.	AP	2
10	Compare and contrast the body plans of Radiata and Bilateria.	AP	1

**Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options \* within each question**

Qn No.	Question	CL	CO
11	A) Explain Five kingdom classification.  OR B) If a traveller is bitten by a female Anopheles mosquito carrying Plasmodium vivax, which stage of the parasite enters their bloodstream, and what happens next? Explain the life cycle in man with diagram.	AP	1, 5
12	A) Differentiate Phylum cnidaria and Phylum Porifera. Write one example for each .  OR B) Prepare an account on the general features of Phylum platyhelminthes and explain the parasitic adaptations <i>Taenia solium</i>	AN	2, 2
13	A) Explain the process of vermiculture and evaluate the economic importance of earthworms in enhancing soil fertility  OR B)	EV	5, 3

Qn No.	Question	CL	CO
	Evaluate the pathogenicity, mode of transmission and preventive measures of <i>Ancylostoma</i> & <i>Trichinella</i> .		
14	<p>A)</p> <p>Illustrate the cephalic appendages of Prawn with necessary diagrams.</p> <p>OR</p> <p>B)</p> <p>Propose a detailed account on the salient features of phylum mollusca and evaluate the economic importance of sepia and pearl oyster</p>	CR	4, 4

Model QP