



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

2024-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 System of Classification was proposed by Options : A)Carolus Linnaeus B)Earnest Haeckel C)Robert H. Whittaker D)Herbert F. Copeland	RE	1
2	The disease caused by <i>Wuchereria bancrofti</i> is known as: Options : A)Malaria B)Elephantiasis C)Schistosomiasis D)Ascariasis	RE	3
3	Division of labour in Cnidaria is known as Options : A)Commensalism B)Polymorphism C)Parasitism D)Mutualism	UN	2
4	Identify the Larva of Mollusca Options : A)Trochophore B)Nauplius C)Veliger D)Zoea	UN	4
5	<i>Sacculina</i> causes the phenomenon known as Options : A)Parasitic castration B)Host regeneration C)Metagenesis D)Metamerism	UN	2
6	Select the excretory organ in earthworm	UN	2

Qn No.	Question	CL	CO
	Options : A)Flame cells B)Nephridia C)Malpighian tubules D)Coxal glands		

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	Discuss metamerism with an example.	UN	1
8		UN	2
9	sketch and label setae of Earthworm	AP	2
10	Explain the parasitic adaptations of <i>Hirudinaria</i>	AP	3

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) Classify animals based on the levels of organization, body symmetry and nature of body cavity using suitable example OR B) Explain the life history, pathogenicity and prophylaxis of <i>Plasmodium vivax</i> .	AP	1, 4
12	A) Analyze the life cycle of <i>Taenia solium</i> highlighting the stages, hosts involved and the pathogenicity. OR B) Differentiate Phylum cnidaria and Phylum Porifera. Write one example for each	AN	5, 2
13	A) Evaluate the general features of Phylum Annelida with <i>Nereis</i> as example. Comment on <i>Heteronereis</i> OR B) Compare the general features, lifecycle and pathogenesis of human nematode parasites - <i>Wuchereria</i> and <i>Ascaris</i>	EV	3, 3

Qn No.	Question	CL	CO
14	<p>A)</p> <p>Illustrate the nervous system of prawn with a neat labelled diagram</p> <p>OR</p> <p>B)</p> <p>Explain the general features of Mollusca. Comment on economic importance of Mollusca.</p>	CR	4, 4

Model QP