



Reg. No.:

Name:

University of Kerala

First Semester FYUGP Degree Examination, December 2025

Discipline Specific Core Course

ZOOLOGY

UK1DSCZOO101 - Non-Chordate Diversity -Part I

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	<p><i>Taenia solium</i> belongs to the class</p> <p>Options :</p> <p>A) Tremetoda</p> <p>B) Cestoda</p> <p>C) Turbellaria</p> <p>D) Phasmidia</p>	RE	4
2	<p>The bioluminescent protozoan is</p> <p>Options :</p> <p>A)Paramecium</p> <p>B)Noctiluca</p> <p>C)Amoeba</p> <p>D)Trypanosoma</p>	RE	2
3	<p>The glass sponge Euplectella belongs to:</p> <p>Options :</p> <p>A)Calcispongiae</p> <p>B)Demospongiae</p> <p>C)Hexactinellida</p> <p>D)Anthozoa</p>	UN	2
4	<p>The floating gas-filled structure in <i>Physalia</i> is known as</p> <p>Options :</p> <p>A)Pneumatophore</p> <p>B)Nematocyst</p> <p>C)Medusa</p> <p>D)Coenosteum</p>	UN	3
5	<p>Which organism is known as “Portugese Man of War”</p> <p>Options :</p> <p>A)Physalia</p> <p>B)Aurelia</p> <p>C)Pleurobranchia</p> <p>D)Planaria</p>	UN	1
6	Miracidium is the larval stage of	UN	3

Qn No.	Question	CL	CO
	Options : A)Fasciola hepatica B)Taenia Solium C)Obelia D)Pleurobranchia		

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		UN	4
8	Distinguish between polyp and medusa	UN	2
9	Explain how parasitic adaptations in nematodes facilitate their survival inside human hosts.	AP	2
10	Discuss the Zoological importance of Paramecium	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) Explain the morphology, life cycle, pathogenicity and prophylaxis of <i>Plasmodium vivax</i> . OR B) Illustrate the different types of canal system present in sponges.	AP	3, 3
12	A) Explain the scope of taxonomy and discuss the principles of zoological nomenclature as outlined by the ICZN. OR B) Compare Five-Kingdom classification system and Three-Domain classification system.	AN	1, 1
13	A) Evaluate Polymorphism in Cnidarians with Physalia as an example. OR B) Assess the general characters of phylum Cnidaria. Provide classification up to classes with example.	EV	3, 3

Qn No.	Question	CL	CO
14	<p>A) Prepares a note on the Life cycle of <i>Taenia solium</i> with diagrams.</p> <p>OR B) Explain the general characters of Nematelminthes with examples of human parasites.</p>	CR	4, 4

Model QP