



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

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	<i>Euplectella</i> (Venus flower basket) belongs to class Options : A)Demospongiae B)Calcispongiae C)Hexactinellida D)Sclerospongiae	RE	2
2	Identify the organism moves with the help of cilia Options : A)Euglena B)Amoeba C)Paramecium D)Plasmodium	RE	4
3	The organism that causes African sleeping sickness is Options : A)Entamoeba histolytica B)Leishmania donovani C)Trypanosoma gambiense D)Plasmodium falciparum	UN	3
4	Sea anemones belong to the class Options : A)Hydrozoa B)Scyphozoa C)Anthozoa D)Cubozoa	UN	2
5	The inner layer of body wall in sponges is called Options : A)Endoderm B)Pinacoderm C)Choanoderm D)Mesoderm	UN	3
6	Protostomes differ from deuterostomes mainly in:	UN	1

Qn No.	Question	CL	CO
	Options : A) Type of symmetry B) Origin of mouth and anus from blastopore C) Absence of true coelom D) Lack of segmentation		

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 the zoological significance of Noctiluca?	UN	2
8	Match the following	UN	4
9	List two examples of parasitic protozoans and mention their hosts.	AP	3
10	Discuss the features of Kingdom Animalia	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 five kingdom classification with suitable example OR B) Explain the main principles of zoological nomenclature. Comment on the significance of ICZN.	AP	4, 4
12	A) Illustrate the canal system in sponges OR B) Diagnose the characteristics of Phylum Porifera. Classify them up to classes.	AN	4, 3
13	A) Evaluate the morphology, life cycle, and pathogenicity of <i>Plasmodium vivax</i> . OR B) Evaluate the general features of Kingdom Protista with one example .	EV	2, 2

Qn No.	Question	CL	CO
14	<p>A)</p> <p>Explain the polymorphism in Cnidarians using Physalia as an example</p> <p>OR</p> <p>B)</p> <p>Prepare a chart showing the major classes of Cnidaria. Provide examples and key features</p>	CR	4, 4

Model QP