

Reg. No.:



Name:

University of Kerala

W7534

First Semester FYUGP Degree Examination, December 2025

Discipline Specific Core Course

ZOOLOGY

UK1DSCZOO101 - Non-Chordate Diversity -Part I

Academic Level: 100-199

2025-Admission

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	The International Code of Zoological Nomenclature establishes principles for: Options : A)Classification of plants B)Naming of animals C)Evolution of species D)Conservation of biodiversity	RE	1
2	Transmission of Plasmodium to humans occurs through: Options : A)Contaminated drinking water B)Bite of infected female Anopheles mosquito C)Direct contact with infected persons D)Eating improperly cooked meat	RE	2
3	Which among the following is an example of a monogenetic parasite? Options : A)Wuchereria bancrofti B)Ascaris lumbricoides C)Fasciola hepatica D)Taenia solium	UN	3
4	Identify the organism which is commonly known as ‘sea gooseberry’? Options : A)a) Zooxanthallae B)b) Adamsia C)c) Obelia D)d) Pleurobrachia	UN	1
5	Which type of symmetry is exhibited in sea anemone Options : A)A. Bilateral symmetry B) B. Radial symmetry C) C. Biradial symmetry D)D. Asymmetry	UN	1
6	The excretory organs of flatworms are known as:	UN	2

Qn No.	Question	CL	CO
	Options : A)Nephridia B)Flame Cells C)Malpighian tubules D)Green 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	Match the following A. Fasciola hepatica 1. Round worm B. Taenia solium 2. Filarial worm C. Ascaris 3. Liver Fluke D. Wuchereria 4. Pork tapeworm	UN	2
8	Describe the super-group model of Eukaryotes	UN	1
9	Explain the different types of coral reefs.	AP	5
10	Discuss the features of tree of life approach in animal classification	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) A. Explain the life cycle of <i>Plasmodium vivax</i> . Suggest any two prophylactic measures against the parasite OR B) Compare the Five-Kingdom classification and the Three-Domain system.	AP	3, 1
12	A) Analyse how the principles of binomial nomenclature help us to name a newly discovered animal species? OR B) Discuss the principles of zoological nomenclature and explain the significance of the International Code of Zoological Nomenclature (ICZN).	AN	1, 1

Qn No.	Question	CL	CO
13	A) Describe the polymorphism in <i>Physalia</i> OR B) Evaluate metagenesis in cnidarians using <i>Obelia</i> as an example.	EV	1, 4
14	A) Explain unique characteristic features of Coelenterates OR B) Describe the general characteristics of Protista and Metazoa	CR	3, 3