



U8392

Reg. No.:

Name:.....

**University of Kerala**

First Semester Degree Examination, November 2024

Four Year Under Graduate Programme

Discipline Specific Core Course

ZOOLOGY**UK1DSCZOO101 - NON-CHORDATE DIVERSITY-PART I**

Academic Level: 100-199

Time: 1½ Hours**Max. Marks: 42****Part A.****Answer All Questions Objective Type. 1 Mark Each.****(Cognitive Level: Remember/Understand)****6 Marks. Time: 6 Minutes**

Qn. No.	Question	Cognitive Level	Course Outcome
1.	ICZN means..... A) International Code of Zoological Nomenclature B) International Commission on Zoological Nomenclature C) Indian commission for Zoological Nomenclature D) Indian Code of Zoological Nomenclature	Remember	1
2.	Who proposed the five-kingdom classification system? A) Robert Whittaker B) Carl Linnaeus C) R.H. Whittaker D) Charles Darwin	Remember	1
3.	Based on the complexity animals show different levels of organisation such as A) Cellular, Tissue, Organ, and Organ System Level B) Cellular and Tissue Level C) Tissue and Organ Level D) Organ and Organ System Level	Understand	3
4.	Name a sponge that inhabits in freshwater ponds, lakes, and streams. A) Euplectella B) Sycon C) Scypha D) Spongilla	Remember	2
5.	Which characteristic is not present in Cnidaria? A) Tissue level of organisation. B) Specialised unique cells called Cnidocytes. C) Gastrovascular cavities / Coelenteron. D) Skeleton consists of spicules	Understand	3
6.	Write an example of a hydrozoan. A) Obelia B) Aurelia C) Sea Anemone D) Spongilla	Understand	1

Part B.
Answer All Questions Short Answer. 2 Marks Each.
(Cognitive Level: Understand/Apply)
8 Marks. Time: 24 Minutes

Qn. No.	Question	Cognitive Level	Course Outcome
7.	Differentiate between Acoelomates and Pseudocoelomates.	Apply	3
8.	Explain the zoological importance of <i>Noctiluca</i>	Apply	2
9.	What is polymorphism?	Understand	3
10.	Match the following.	Understand	4
	A		
	a Asconoid type		
	b Syconoid type		
	c Leuconoid type		
	d Rhagon type		

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

Qn. No.	Question	Cognitive Level	Course Outcome
11.	(a)Classify the canal system in sponges. OR (b)Demonstrate the classification of sponges with one example from each class	Apply	2
12.	(a)Write a short essay on the evolutionary significance of Ctenophora and Pleurobrachia. OR (b)Compare the general characteristics of Cnidarians and Ctenophores.	Understand	3
13.	(a)Discuss the zoological importance and systematic position of Noctiluca, Paramecium and Trichonympha. OR (b)Describe the general characters of Protista and Metazoa	Understand	2
14.	(a)Explain the pathogenicity and parasitic nature of <i>Plasmodium vivax</i> and <i>Trypanosoma gambiense</i> . OR (b)Discuss the zoological importance of Noctiluca, <i>Paramecium</i> and <i>Trichonympha</i> .	Apply	3