

Reg. No.:

Name:.....



U8390



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(CO)
1	The International Code of Zoological Nomenclature (ICZN) is responsible for regulating the naming of which type of organisms? A) Bacteria C) Animals B) Algae D) Plants	Remember	1
2	True coelom is present in A) Acoelomata C) Eucoelomata B) Pseudocoelomata D) Coelenterata	Understand	2
3	The vector for <i>Trypanosoma gambiense</i> is _____. A) <i>Anopheles</i> mosquito C) Sandfly B) Tsetse fly D) Blackfly	Remember	3
4.	Name a representative species of the Phylum Ctenophora. A) Obelia C) Pleurobrachia B) Aurelia D) Physalia	Remember	2
5.	Obelia comes under the class A) Scyphozoa C) Hydrozoa B) Anthozoa D) Hydrospongia	Understand	2
6	Which of the following is commonly known as the "Portuguese man of war"? A) Obelia C) Aurelia B) Physalia D) Pleurobrachia	Remember	2

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 (CO)										
7.	Match the following <table border="1"><thead><tr><th>A</th><th>B</th></tr></thead><tbody><tr><td>a.Porifera</td><td>1.Bioluminescence</td></tr><tr><td>b.Cnidaria</td><td>2.Spiral cleavage</td></tr><tr><td>c.Ctenophora</td><td>3.Metagenesis</td></tr><tr><td>d.Protostomia</td><td>4. Choanocytes</td></tr></tbody></table>	A	B	a.Porifera	1.Bioluminescence	b.Cnidaria	2.Spiral cleavage	c.Ctenophora	3.Metagenesis	d.Protostomia	4. Choanocytes	Understand	2
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a.Porifera	1.Bioluminescence												
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c.Ctenophora	3.Metagenesis												
d.Protostomia	4. Choanocytes												
8.	Prepare a note on the zoological importance of <i>Noctiluca</i> in marine ecosystems?	Apply	4										
9.	What is a choanocyte ? Explain its structure	Remember	2										
10.	Explain the alternation of generation in <i>Obelia</i> .	Understand	3										

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

Qn No.	Question	Cognitive Level	Course Outcome (CO)
11.	(a)Explain how a new species is named according to the International Code of Zoological Nomenclature (ICZN). OR (b) Explain five kingdom classification with its advantages and disadvantages	Understand	1
12.	(a)Give an account on the general characters of protista citing any two examples OR (b)Discuss the morphology, and life cycle of <i>Plasmodium vivax</i> .	Understand	2
13.	(a) Describe the polymorphic structure of <i>Physalia</i> (Portuguese Man of War) and explain how it functions as a colony. OR (b)What are coral reefs? Emphasize the value of coral reefs in both ecological and economic terms.	Apply	3
14.	(a)Explain the general characteristics of class Demospongia. Add a note on the morphology and feeding mechanism in Spongilla OR (b)Explain canal system in Sponges	Understand	2