



# LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

U.G. DEGREE EXAMINATION – ALLIED

FIRST SEMESTER – NOVEMBER 2023

UAZ 1301 – ANIMAL DIVERSITY - I

Date: 09-11-2023

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

## SECTION A - K1 (CO1)

Answer ALL the Questions -

(10 x 1 = 10)

### 1. Definitions

- a) Classification
- b) Taeniasis
- c) Pereopod
- d) Poikilotherms
- e) Alecithal egg

### 2. Fill in the blanks

- a) Amoebae use \_\_\_\_\_ for locomotion
- b) \_\_\_\_\_ is known as soil-transmitted helminths
- c) The lines between the whorls are called as \_\_\_\_\_ in apple snail.
- d) The blood-sucker is \_\_\_\_\_.
- e) \_\_\_\_\_ is an organ built up of maternal and foetal tissues.

## SECTION A - K2 (CO1)

Answer ALL the Questions

(10 x 1 = 10)

### 3. Match the following

- a) Ciliates - protecting the embryo
- b) Hirudin - capturing sounds
- c) Slime secretion - anticoagulant
- d) Pinna - cilia
- e) Chorion - pila

### 4. True or False

- a) Ectoparasites live within the body of the animal.
- b) Leeches inhabit a wide variety of habitats.
- c) Molluscs live only in terrestrial environment.
- d) Tympanic membrane is used for the entry and exit of air in frog.
- e) Extra-embryonic membranes are common to the embryos of all terrestrial vertebrates.

## SECTION B - K3 (CO2)

Answer any TWO of the following

(2 x 10 = 20)

- 5. Explain the characteristics of tapeworms.
- 6. Illustrate and explain kinds of placenta based on distribution of villi.
- 7. Prepare and present the diagrammatic explanation of the extra embryonic membrane in chick.
- 8. Write down the details on the external morphology of white Indian prawn.

## SECTION C – K4 (CO3)

Answer any TWO of the following

(2 x 10 = 20)

- 9. Explain the external feature of star fish.

10.	Classify the various kinds of feathers of pigeon with illustrations.
11.	Explain the structural morphology of Calotes versicolor.
12.	Describe the life cycle of the round worm and its mode of transmission.
<b>SECTION D – K5 (CO4)</b>	
<b>Answer any ONE of the following</b>	
<b>(1 x 20 = 20)</b>	
13.	Evaluate the classification of chordata eggs with illustrations.
14.	Summarise the ecology of hirudinea, its morphology, and uses of hirudin.
<b>SECTION E – K6 (CO5)</b>	
<b>Answer any ONE of the following</b>	
<b>(1 x 20 = 20)</b>	
15.	Summarize the life cycle of Penaeus indicus.
16.	Summarise the structural organization of frog with illustrations.

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