

KAMARAJ COLLEGE (Autonomous)

Accredited with A+ Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

THOOTHUKUDI – 628 003

(6 Pages)

Reg. No:

Question Code No : 25000602

Course Code : 25UEZ011

UG Degree - End Semester Examinations, November 2025

First Semester

ZOOLOGY ALLIED

Allied Zoology-I

(For those who joined in June 2025 onwards)

Time: 3Hours

Maximum: 75 Marks

PART – A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer :

1. Find the animals that do not have coelom.

(a) Coelomates

(b) Acoelomates

(c) Deutrocoelomate

(d) Pseudocoelomates

2. Choose the characteristic features of protozoans.

(a) Unicellular, eukaryotic

(b) Multicellular, eukaryotic

(c) Multicellular,

(d) Unicellular, prokaryotic

prokaryotic

3. Select the taxonomic class of insects.
- (a) Arachnida (b) Crustacea
(c) Insecta (d) Myriapoda
4. In which environment, echinoderms are exclusively found in?
- (a) Marine (b) Terrestrial
(c) Amphibious (d) Freshwater
5. Which of the following is a cartilaginous fish?
- (a) Tuna (b) Catla
(c) Shark (d) Rohu
6. Name the unique habitat of amphibians
- (a) Only on land (b) Only in water
(c) Both in water and on land (d) In air
7. Recall on the organ, which is the modification of forelimbs of birds
- (a) Flippers (b) Claws
(c) Wings (d) Antennae
8. Relate the special characters of mammals
- (a) Cold blooded and oviparous
(b) Warm blooded and oviparous

- (c) Cold blooded and viviparous
- (d) Warm blooded and mostly viviparous

9. Find the characteristic features of earthworm from the following

- (a) Segmented and cylindrical
- (b) Flattened and unsegmented
- (c) Oval and soft
- (d) Round and unsegmented

10. Find the excretory organ of prawn.

- (a) Nephridia
- (b) Green glands
- (c) Flame cells
- (d) Malphigian tubules

PART - B (5 X 5 = 25 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 250 words.

11. (a) Inspect the characteristic features of Coelenterates. Give two examples.

(OR)

(b) Classify the organisms present in the phylum Annelida.

12. (a) Discover the characteristics of phylum Arthropoda with examples.

(OR)

- (b) Examine the classification of phylum Echinodermata and highlight any two key features of each class.
13. (a) Analyse the classification of class Amphibia and explain how their features support dual-mode life.

(OR)

- (b) Classify the class Pisces with suitable examples.
14. (a) Classify reptiles into major orders and give examples.

(OR)

- (b) List the major characteristics of class Reptilian with suitable examples.
15. (a) Identify the external structure of a prawn with a well labelled diagram.

(OR)

- (b) Experiment with the structural organization of a rabbit with reference to circulatory system.

PART - C (5 X 8 = 40 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 500 words.

16. (a) Compile the criteria for the classification of animals.

(OR)

(b) Discuss the classification of Protozoa up to classes with two examples.

17. (a) Explain the classification of phylum Arthropoda into major classes with suitable examples.

(OR)

(b) "Molluscs are diverse in form and function". Justify this statement with classification and examples.

18. (a) Discuss the classification of phylum Prochordata, detailing the major classes and any two distinguishing characteristics with examples.

(OR)

(b) Elaborate the major characteristics of Pisces and explain how these features are adapted for life in water.

19. (a) Predict the classification of Aves into major groups with examples.

(OR)

(b) Discuss any eight characteristics that distinguish mammals from other vertebrate.

20. (a) Elaborate the structure and functions of the digestive system of an earthworm with a neat labelled diagram.

(OR)

(b) Discuss the external features of a rabbit with a well labelled diagram.