

KAMARAJ COLLEGE (Autonomous)

Accredited with A+ Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

THOOTHUKUDI – 628 003

(5 Pages)

Reg. No:

Question. Code No : 25E00606

Sub Code : 24UEZ011

UG Degree - End Semester Examinations, April 2025

First Semester

ZOOLOGY

Allied Zoology - I

(For those who joined in July 2024 onwards)

Time : 3 Hours

Maximum : 75 Marks

PART - A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer :

1. Who is known as the “Father of Taxonomy”?
 - (a) Charles Darwin
 - (b) Carl Linnaeus
 - (c) Gregor Mendel
 - (d) Aristotle
2. Coelom is absent in:

- (a) Annelida (b) Mollusca
(c) Arthropoda (d) Coelenterata
3. The radula is a characteristic feature of:
(a) Echinodermata (b) Mollusca
(c) Arthropoda (d) Protozoa
4. Water vascular system is found in which of the following Phylum?
(a) Mollusca (b) Annelida
(c) Echinodermata (d) Arthropoda
5. Which of the following is a jawless fish?
(a) Shark (b) Ray
(c) Lamprey (d) Lungfish
6. Name the type of respiration found in Amphibians.
(a) Cutaneous (b) Pulmonary
(c) Buccal cavity (d) All of the above
7. Birds belong to the class:
(a) Aves (b) Mammalia
(c) Amphibia (d) Reptilia
8. Which of the following is a mammal?
(a) Lizard (b) Dolphin
(c) Crocodile (d) Toad

9. The reproductive system of a rabbit is:
- (a) Viviparous (b) Oviparous
(c) External fertilization (d) Asexual reproduction
10. Which type of circulatory system does an earthworm have?
- (a) Open (b) Lymphatic
(c) Closed (d) Partial

PART - B (5 X 5 = 25 Marks)

**Answer ALL Questions choosing either (a) or (b).
Answer should not exceed 250 words.**

11. (a) Define taxonomy and explain its principles.

(OR)

- (b) Explain binomial nomenclature with suitable examples.

12. (a) Explain the characteristic features of Echinodermata.

(OR)

- (b) Discuss the economic importance of Mollusca.

13. (a) Explain the general characteristics of Amphibia.

(OR)

- (b) Discuss the importance of Prochordates in evolution.

14. (a) Explain the characteristic features of Mammalia.

(OR)

- (b) Discuss the evolutionary significance of Reptiles.

15. (a) Write a short note on the digestive system of Rabbit.

(OR)

(b) Explain the structural organization of Prawn.

PART - C (5 X 8 = 40 Marks)

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

Answer should not exceed 500 words.

16. (a) Write a short note on the classification of Coelenterata.

(OR)

(b) Classify Protozoa up to class level and give two examples.

17. (a) Classify Arthropoda up to class level with examples.

(OR)

(b) Compare the general features of Arthropoda and Mollusca.

18. (a) Compare the general features of Pisces and Amphibia.

(OR)

(b) Classify the phylum Pisces up to orders with examples.

19. (a) Present the classification of Aves up to orders.

(OR)

(b) Classify Reptilia up to order level with examples.

20. (a) Describe the external and internal morphology of Earthworm.

(OR)

(b) Discuss the reproductive system of Prawn with a diagram.