

KAMARAJ COLLEGE (Autonomous)

Accredited with A+ Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

(3 Pages)

Reg. No:.....

Question Code: 26E00617

Course Code: 25UEZO21

UG Degree - End Semester Examinations, April 2026

Second Semester
ZOOLOGY ALLIED

Allied Zoology Paper - II

(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:

- CO:1 1. Name the protein molecule in haemoglobin.
K:1 (a) Globin (b) Haem
(c) Lipid (d) Saccharide
- CO:1 2. Find the double-layered membrane that surrounds each lung.
K:1 (a) Pericardium (b) Peritoneum
(c) Pleura (d) Meninges
- CO:2 3. What is the movement of cells during gastrulation?
K:1 (a) Morphogenetic movements (b) Fertilization
(c) Gastrulation (d) Meiosis
- CO:2 4. Name the cavity formed during the blastula stage in frog embryos.
K:1 (a) Archenteron (b) Blastocoel
(c) Coelom (d) Gastrocoel
- CO:3 5. What is immunity?
K:1 (a) Resistance to infection (b) Protection
(c) Microorganisms (d) Immunoglobulins
- CO:3 6. Who coined the term vaccine?
K:1 (a) Louis Pasteur (b) Jenner
(c) Roux (d) Wright

- CO:4 7. Which of the following is an antiviral agent inhibits intracellular
K:1 viral replication?
(a) Interferon (b) Glucose
(c) Lysozyme (d) Antigen
- CO:4 8. Which of the following is an example of sex-linked disease?
K:1 (a) Anaemia (b) Albinism
(c) Jaundice (d) Colour blindness
- CO:5 9. Choose the courtship behaviour that involves series of fixed
K:1 patterns of movements of attractive exhibitions between mating
partners.
(a) Pairing (b) Display
(c) Migration (d) Territoriality
- CO:5 10. Name the process of performing the same act again and again
K:1 (a) Latent learning (b) Trial and error learning
(c) Restricted learning (d) Flexible learning

PART - B (5 X 5 = 25 Marks)

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

Answer should not exceed 250 words.

- CO:1 11. (a) Analyze the key characteristics of hemoglobin.

K:4 **(OR)**

- (b) Examine the structure of neuron.

- CO:2 12. (a) Identify the significance of gastrula.

K:3 **(OR)**

- (b) Construct a neat labelled diagram of fertilized egg of frog.

- CO:3 13. (a) Examine the physical and mechanical factors of innate
K:4 immunity.

(OR)

- (b) Analyze the role of spleen in immunity.

- CO:4 14. (a) Identify the characters of hypertrichosis.

K:3 **(OR)**

- (b) Choose the significance of Albinism.

- CO:5 15. (a) Examine the process of foraging.

K:4

(OR)

(b) Analyze the functions of courtship behavior.

PART - C (5 X 8 = 40 Marks)

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

Answer should not exceed 500 words.

CO:1 16. (a) Defend the steps involved in Ornithine Cycle.

K:5

(OR)

(b) Determine the process of Oxygen transport.

CO:2 17. (a) Explain the cleavage division in frog.

K:5

(OR)

(b) Appraise the placentation in mammals.

CO:3 18. (a) Compile the vaccination schedule for children.

K:6

(OR)

(b) Discuss the structure of immunoglobulin with diagram.

CO:4 19. (a) Analyze the sex determination by chromosomes in human.

K:4

(OR)

(b) Examine the Criss cross inheritance in colour blindness.

CO:5 20. (a) Examine the benefits of parental care.

K:4

(OR)

(b) Classify the types of learning behavior.