

B.Sc. (CBCS) DEGREE EXAMINATION,  
APRIL 2024.

Second Semester

Zoology

Elective — ALLIED ZOOLOGY — II

(For those who joined in July 2023 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. Choose the name given to the junction between the two neurons  
(a) Synapse (b) Erythrospis  
(c) Synopsis (d) Neurosis
2. Which is the actual organ of hearing?  
(a) Pinna (b) Incus  
(c) Organ of corti (d) Stapes

3. Choose the name of the solid mass of blastomeres  
(a) gastrula (b) blastomeres  
(c) morula (d) archenteron
4. What is the name given to the development of neural tube?  
(a) notogenesis (b) neurogenesis  
(c) neogenesis (d) glycogenesis
5. Choose a part of antibody  
(a) Paratope  
(b) Para-epitope  
(c) Epitope  
(d) None of the above
6. Choose the secondary lymphoid organ  
(a) Bone marrow  
(b) Bursa fabricius  
(c) Thymus  
(d) Spleen

7. Who is the Father of Genetics?  
(a) Darwin (b) Mendel  
(c) Speeman (d) Devries
8. Which one of the following is called bleeders disease?  
(a) Colour blindness  
(b) Haemophilia  
(c) Anaemia  
(d) Fibrosis
9. Choose the branch which deals with the study of animal behavior.  
(a) ethology (b) embryology  
(c) ecology (d) physiology
10. Which is the simplest form of learning behavior?  
(a) habituation  
(b) trial and error  
(c) reasoning  
(d) imprinting

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Differentiate Ammonotelism and Uricotelism.  

Or

(b) Discuss the conduction of nerve impulses.
12. (a) Explain the functions of placenta.  

Or

(b) Write short note on Gastrulation.
13. (a) Differentiate acquired immunity and innate immunity.  

Or

(b) Write a note on antigens.
14. (a) Write short note on Colour blindness.  

Or

(b) Explain the chromosomes in Man.

15. (a) Write short note on Courtship behaviour.

Or

(b) Explain the foraging behavior.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Elaborate the steps involved in blood coagulation.

Or

(b) Describe the structure and functions of car.

17. (a) Explain the Holoblastic cleavage.

Or

(b) Discuss the biochemical changes involved in Fertilization.

18. (a) Explain the structure and functions of Thymus.

Or

(b) Explain the functions of antibodies.

19. (a) Discuss the multiple allele with ABO blood group in man.

Or

(b) Discuss the role of genetic Counsellor.

20. (a) Discuss the parental care in animals.

Or

(b) Elaborate the nest construction behavior in birds.

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