

D. K. M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1**SEMESTER EXAMINATIONS****JUNE - 2022****19CAZO4A****ALLIED: ZOOLOGY - II****Time: 3 Hours****Max. Marks: 75****SECTION – A (10 x 2 = 20)****Answer ALL the questions.**

1. Why lysosomes are known as suicide bags?
2. What is the main function of genes?
3. What is simple definition of vitamins?
4. What are the three stages of spermatogenesis?
5. Define Ecosystem.
6. Define Darwin's theory of Evolution.
7. What is gene therapy?
8. Where is lymph node located?
9. What are the symptoms of swine flu?
10. What is the main cause of hypertension?

SECTION – B (5 x 5 = 25)**Answer ALL the questions.**

11. (a) Draw the ultra structure of animal cell and mention the functions of various cell organelles.

(Or)

- (b) Give an account on RNA.

12. (a) Write short notes on carbohydrates.

(Or)

- (b) What is gametogenesis process?

13. (a) Explain abiotic factors of ecosystem.

(Or)

- (b) Write an account on Lamarckism.

14. (a) What is genetic engineering? Give the applications of it.

(Or)

- (b) What are the functions of the spleen? Mention the signs of a spleen problem.

15. (a) What is dengue? Explain the causes and prevention of it.

(Or)

- (b) What are the signs and symptoms of the corona-virus disease?

SECTION – C (3 x 10 = 30)**Answer any THREE of the following questions.**

16. Describe molecular structure of gene.
17. Explain in detail about the mechanism of digestion.
18. What is the importance of Wildlife conservation in India?
19. Explain in detail about different immune cells and their functions.
20. What are non-communicable diseases? Explain its causes and prevention.