Reg. No. | | | | | | | | | | | |

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1

SEMESTER EXAMINATIONS

NOVEMBER – 2018 **15CBT3A**

IMMUNOLOGY

Time : 3 Hrs **Max. Marks : 75**

SECTION-A (10 x 2 = 20)

Answer ALL the questions.

Define / Explain the following.

1. Cell mediated immunity.
2. Innate immunity.
3. Dendritic cells.
4. T- Lymphocytes.
5. Antigen presenting cells.
6. Epitope.
7. Haptens.
8. Histamine.
9. Tuberculin.
10. IL- 1.

SECTION-B (5 x 5 = 25)

Answer any FIVE of the following questions.

11. Describe the cell mediated immunity.
12. Give a brief account on macrophages.
13. Elaborate the blood grouping mechanism in humans.
14. Write a brief note on the structure and function of Immunoglobulin with diagram.
15. Explain in brief about the principle, working methodology and application of FACS.
16. Write a brief note on the structure and function MHC class I molecules.
17. Define HLA typing. Add a note on its importance.
18. Write briefly about clinical transplantation immunology.

SECTION-C (3 x 10 = 30)

Answer ALL the questions.

19. (a) Explain in detail about Hematopoiesis with a neat diagram.

(Or)

(b) Give a detailed account on mucosa – associated lymphoid tissue.

20. (a) Detailed account on HAT medium selection of monoclonal antibodies.

(Or)

(b) How are antigens detected by RIA and ELISA?

21. (a) Detail the structure and function of MHC class I and class II Molecules.

(Or)

(b) Write a detailed note on Rheumatoid arthritis and systemic lupus erythematosus.

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