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

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

SEMESTER EXAMINATIONS

APRIL – 2017 **CBC6D**

IMMUNOLOGY

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

SECTION-A (10 x 2 = 20)

Answer ALL questions.

1. Define Immunity. How is it classified?
2. What are primary and secondary lymphoid organs?
3. What is epitope and paratope?
4. Write briefly on hapten.
5. What is antigen – antibody reaction?
6. Write briefly on agglutination with its applications.
7. What is toxoid? Give an example.
8. What is meant by Attenuation?
9. Write notes on autoimmune disease.
10. What is meant by immune tolerance?

SECTION-B (5 x 5 = 25)

Answer any FIVE of the following questions.

11. Explain the mechanism involved in humoral Immunity.
12. What is lymph node? Explain its immunological function.
13. Give an account of clonal selection theory of the biosynthesis of antibody.
14. Describe the structure, development and fate of B – Lymphocytes.
15. Describe the complement fixation test.
16. Write the principle and application of ELISA.
17. Write briefly of bacterial polysaccharide vaccine.
18. What is Transplantation? Explain its types.

SECTION-C (3 x 10 = 30)

Answer ALL questions.

19. (a) Explain the factors influencing Innate Immunity.

(Or)

(b) Explain the structure of IgG with the aid of neat labeled diagram.

20. (a) Give a brief account of the essential factor for antigenicity.

(Or)

(b) What is monoclonal antibody? Explain its production and application.

21. (a) What is vaccine? Give an account of the vaccine used in the prevention of various human diseases.

(Or)

(b) Give an account of the mechanism involved in Type I hypersensitivity.

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