

**D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE – 1**  
**SEMESTER EXAMINATIONS**  
**NOVEMBER – 2017**  
**IMMUNOLOGY**

15CPBC3C

Time: 3 Hrs

Max. Marks: 75

**SECTION – A (5 X 6 =30)**

Answer ALL the questions.

1. (a) Write short notes on the structure and function of Spleen.

(Or)

(b) Explain the properties of antigen.

2. (a) Write briefly about immunological memory.

(Or)

(b) Describe the secondary immunodeficiency diseases.

3. (a) Give an account on DNA vaccines.

(Or)

(b) Explain the principle, procedure and application of Radio Immuno assay.

4. (a) Describe the structure and functions of MHC class II molecule.

(Or)

(b) Explain lymphocytotoxicity test.

5. (a) Briefly explain the tumor associated oncofetal antigens.

(Or)

(b) Explain HIV life cycle.

**SECTION – B (3 X 15 =45)**

Answer any THREE of the following questions.

6. Discuss the complement system.

7. What are immune responses? Explain secondary immune response.

8. Explain the production of monoclonal antibodies and their applications.

9. Write in detail about the spectrum of auto immune diseases, diagnostic aspects &amp; its treatment.

10. Define Hypersensitivity. Explain about the mechanism involved in type I hypersensitivity.

\* \* \* \* \*