

S.E - IV sem - Biotech E/TV/CBS/ST/IIT
Immunology & Immunotechnology

26

QP Code : 5506

(3 Hours)

Total Marks-80

17/12/15

- (1) Question No.1 is Compulsory.
- (2) Solve any three question out of remaining questions.
- (3) Draw suitable diagram wherever necessary.

- Q.1 Write briefly on the following - (5x4=20)
- a) MHC class 1 molecule
 - b) Opsonization
 - c) Complement fixation
 - d) Hemagglutination
- Q.2 a) Describe primary lymphoid organs? 10
- b) Explain different classes of immunoglobulins? 10
- Q.3 a) Describe the characteristics of innate immunity? 10
- b) Draw a Well Labeled, Schematic diagram of an Antibody and write its function? 10
- Q.4 a) Write notes on any two: (5x2=10)
- 1) AIDS
 - 2) Monoclonal antibodies
 - 3) Gamma interferon
- b) Write difference between Cell mediated immunity and humoral response? 10
- Q.5 a) Describe different types of vaccines? 10
- b) Explain the concepts of antigen processing and presentation with a suitable example? 10
- Q.6 a) Explain with diagram Enzyme Linked Immunosorbent Assay (ELISA)? 10
- b) Explain with diagram Western Blotting? 10

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