



HAD-003-001631

Seat No. _____

B. Sc. (Sem. VI) (CBCS) Examination

June/July – 2017

Microbiology : MB-601

(Immunology & Clinical Microbiology)

(New Course)

Faculty Code : 003

Subject Code : 001631

Time : 2½ Hours]

[Total Marks : 70

Instructions :

- (1) All questions are compulsory.
- (2) Draw figures wherever required.
- (3) The right side figures indicates the marks of the question.

1 Answer following questions in short : 20

- (1) Define : Epitope.
- (2) Define : Artificial Immunity.
- (3) Write contribution of Edward Jenner.
- (4) What is MHC ?
- (5) Draw structure of IgM.
- (6) What is biological function of IgA ?
- (7) Which are the types of heavy chains in the structure of immunoglobulin ?
- (8) What is secondary immune response ?
- (9) What is Myesthenia gravis ?
- (10) What is Arthus reaction ?
- (11) What is ADCC ?
- (12) What is malignant tumor ?

- (13) Write any four normal flora of skin.
- (14) Which are the antigens used in WIDAL Test ?
- (15) Write full form of AFB.
- (16) Write full form of MMR and BCG.
- (17) Write causative agents of leprosy and tetanus.
- (18) What is 'Landsteiner Rule' ?
- (19) Enlist various methods for specimen collection.
- (20) Enlist types of Immunodiffusion reaction.

- 2 (A) Write in short : (any three) 6
- (1) Write difference between B and T Cell.
 - (2) What is viral neutralization ?
 - (3) GVH - Explain.
 - (4) What is Erythroblastosis foetalis ?
 - (5) What is Haemagglutination ?
 - (6) Write pathogenesis of tetanus.
- (B) Answer in brief : (any three) 9
- (1) Explain Blood Compitibility Test.
 - (2) What is clonal selection theory ?
 - (3) Write structure of Antibody.
 - (4) Explain : Active Immunity.
 - (5) Explain Epidemiological marker.
 - (6) What is factor VIII in blood ?
- (C) Write short notes on : (any two) 10
- (1) Acquired Immunity
 - (2) Monoclonal Ab
 - (3) Tumor formation
 - (4) Malaria
 - (5) ELISA.

- 3 (A) Write in short : (any three) 6
- (1) Enlist cells and organs of immune system.
 - (2) Define : Antibody affinity and avidity.
 - (3) Write process of Infection.
 - (4) Define : Hypersensitivity.
 - (5) Write classification of Graft.
 - (6) Write causative agent and symptoms of Amoebiasis.
- (B) Answer in brief : (any three) 9
- (1) Explain : N K Cells.
 - (2) Give Biological functions of Immunoglobulins.
 - (3) Modern vaccines.
 - (4) Food poisoning.
 - (5) Immunofluorescence.
 - (6) RIA.
- (C) Write short notes on : (any two) 10
- (1) Anaphylaxis
 - (2) Antigenic determinants of immunoglobulins
 - (3) Innate (nonspecific) immunity
 - (4) Normal flora of healthy human host
 - (5) Blood coagulation.
-