



AR-1907 Seat No. _____

B. Sc. (Sem. VI) Examination

March / April - 2018

Microbiology : MI - 601

(Immunology)

Time : 3 Hours]

[Total Marks : 70

- 1** (a) Define/Explain any three of the following **6**
in not more than 5/6 lines :
- (i) Primary Immune Response
 - (ii) Immunoglobulin
 - (iii) Cell mediated Immunity
 - (iv) Central Lymphoid organs
- (b) Discuss any two of the following : **12**
- (i) Antigens as molecules of immune response
 - (ii) Cells of the Immune System
 - (iii) Types of Immunity
- 2** (a) Define/Explain any three of the following **6**
in not more than 5/6 lines :
- (i) Iso antigen.
 - (ii) Polyclonal antibody
 - (iii) Rh antigen
 - (iv) Homologous antigen.

- (b) Discuss any two of the following : 12
- (i) Discuss ABO blood group system.
 - (ii) MHC molecules
 - (iii) IgG and IgM, its structure, function and distribution.
- 3 (a) Answer any two of following : 9
- (i) Discuss Immunodiffusion.
 - (ii) Discuss complement fixation.
 - (iii) Explain Immuno blot technique.
 - (iv) Discuss Agglutination Reactions.
- (b) Answer any two of the following : 9
- (i) Discuss Radio Immuno Assay.
 - (ii) Discuss Immuno electrophoresis.
 - (iii) Explain Flow-cytometry.
 - (iv) Discuss Immuno precipitation.
- 4 (a) Define/Explain any two of the following 4
in not more than 5/6 lines :
- (i) Autoantigen.
 - (ii) Hypersensitivity.
 - (iii) Immuno deficiency.
- (b) Write a short note on any two of the 12
following :
- (i) Type I hypersensitivity.
 - (ii) Types of Autoimmune disorders.
 - (iii) AIDS
 - (iv) Mechanism of Graft Rejection.