



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 : https://www.hnguonline.com

- (i) Type I hypersensitivity.
- (ii) Types of Autoimmune disorders.
- (iii) AIDS
- (iv) Mechanism of Graft Rejection.