

B.Sc. Semester - 5 (Remedial) (CBCS) Examination**Feb/Mar. -2021 (OLD COURSE)****IMMUNOLOGY AND MEDICAL MICROBIOLOGY(CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any three of the following questions.
-

Q.1A Objective type questions 4

1. What is herd immunity ?
2. What is erythema and edema ?
3. Give full forms of : GALT, PMNL
4. Define : Anamnesis, Opsonization

Q.1B Answer in Brief (any one out of two)..... 3

1. Write a brief note on T and B Lymphocytes.
2. What is inflammation?

Q.1C Write a Note on (any one out of two)..... 7

1. Explain primary organs of immune system.
2. Describe acquired immunity and its types.

Q.2A Objective type questions 4

1. Mention differences between Class 1 and Class 2 MHC
2. What are cytokines and complements?
3. What is the role of APC in generation of immune response?
4. What are co stimulatory signals ?

Q.2B Answer in Brief (any one out of two)..... 3

1. Write a note on phagocytosis.
2. Discuss Cytokines in detail.

Q.2C Write a Note on (any one out of two)..... 7

1. Explain structure and properties of Class I and Class II MHC
2. Explain antigen processing and presentation with diagram

Q.3A Objective type questions 4

1. What is secretory antibody and anaphylactic antibody ?
2. What are adjuvants ?
3. Who deciphered antibody structure ?
4. Give full form of HAT medium

Q.3B Answer in Brief (any one out of two)..... 3

1. Explain – antigenic determinants
2. Draw a labeled diagram of IgG

Q.3C Write a Note on (any one out of two).....	7
1. Explain production and applications of monoclonal antibodies	
2. Describe factors affecting immunogenicity of an antigen	
Q.4A Objective type questions	4
1. What are TAA and TSA ?	
2. What is Serum sickness ?	
3. Mention few factors causing Secondary immunodeficiency	
4. What is xenografting ?	
Q.4B Answer in Brief (any one out of two).....	3
1. Explain contact hypersensitivity.	
2. Describe primary immunodeficiency diseases.	
Q.4C Write a Note on (any one out of two).....	7
1. Write a detailed note on autoimmune diseases.	
2. Give an overview on Tumor immunology.	
Q.5A Objective type questions	4
1. What is gnotobiotic life ?	
2. What are endotoxins ?	
3. What is Streptokinase ?	
4. What is herd immunity ?	
Q.5B Answer in Brief (any one out of two).....	3
1. Explain normal flora of skin	
2. Describe microbial adherence	
Q.5C Write a Note on (any one out of two).....	7
1. Exotoxins are potent virulence factors - Explain	
2. Discuss : Normal flora of colon	
