

B.Sc. Semester - 5 (CBCS) Examination
Oct/Nov - 2022 (NEW COURSE)
Immunology and Medical Microbiology (Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Q.1(A) Objective type questions	04
1. Define Herd Immunity	
2. Enlist Primary Lymphoid Organs.	
3. Give the Full form of MALT.	
4. Define Stem cell.	
Q.1(B) Answer in Brief (any one out of two)	03
1. Lymphocytes.	
2. What are Dendritic cells ? Write their types	
Q.1(C) Write a Note on (any one out of two)	07
1. Passive Immunity.	
2. Write a note on secondary lymphoid organ.	
Q.2(A) Objective type questions	04
1. What is MHC ?	
2. What is Interferon ?	
3. What is Primary Immune Response ?	
4. What is CTL ?	
Q.2(B) Answer in Brief (any one out of two)	03
1. Explain Immune response.	
2. Define Inflammation. Write the signs of inflammation.	
Q.2(C) Write a Note on (any one out of two)	07
1. Phagocytosis.	
2. Generation of Humoral Immune Response.	
Q.3(A) Objective type questions	04
1. Define Immunogenicity.	
2. Define Haptens.	
3. Define Agglutination.	
4. Importance of Monoclonal Antibody.	
Q.3(B) Answer in Brief (any one out of two)	03
1. Describe IgG.	
2. Explain Adjuvants.	
Q.3(C) Write a Note on (any one out of two)	07
1. Structure of Antibody.	
2. Write a detail note on Agglutination.	
Q.4(A) Objective type questions	04
1. What is SCID?	
2. Define Autograft.	
3. Define Tumor.	
4. What is 'Arthus Reaction' ?	
Q.4(B) Answer in Brief (any one out of two)	03
1. Explain role of 'Pharmacologically active mediator in Hypersensitivity'.	
2. Explain Immuno-suppression.	
Q.4(C) Write a Note on (any one out of two)	07
1. Organ Specific Autoimmune Diseases.	
2. Anaphylaxis.	

Q.5(A) Objective type questions	04
1. Define Racial Immunity.	
2. Define Normal Flora.	
3. What is LD50 Dose ?	
4. What is Virulence Power?	
Q.5(B) Answer in Brief (any one out of two)	03
1. Write process of Infection.	
2. Describe Pathophysiologic effects of LPS.	
Q.5(C) Write a Note on (any one out of two)	07
1. Explain: Normal Microbial flora of Human.	
2. Write a detail note on Collection, transport and culturing of clinical samples. Enlist any 4 different types of diagnostic tests and explain any one.	