

B.Sc. Semester - 5 (Remedial) (CBCS) Examination**March/April-2023(Old 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.
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Q-1**(A) Answer the following (any one out of two) (07)**

1. Passive Immunity.
2. Write a note on secondary lymphoid organ.

(B) Attempt Any one (any one out of two) (04)

1. Write note Lymphocytes with diagrams.
2. What are Dendritic cells ? Write their types

(C) Attempt Any three (any three out of five) (03)

1. Define Herd Immunity
2. Enlist Primary Lymphoid Organs.
3. Give the Full form of MALT.
4. Define Passive Immunity.
5. Function of the Spleen.

Q-2**(A) Answer the following (any one out of two) (07)**

1. Phagocytosis.
2. Generation of Humoral Immune Response.

(B) Attempt Any one (any one out of two) (04)

1. Explain Immune response.
2. Define Inflammation. Write the signs of inflammation.

(C) Attempt Any three (any three out of five) (03)

1. What is MHC ?
2. What is Interferon ?
3. What is Primary Immune Response ?
4. What is CTL ?
5. Define Opsonisation.

Q-3**(A) Answer the following (any one out of two) (07)**

1. Structure of Antibody.
2. Immunoglobulin classes and their Biological activities

(B) Attempt Any one (any one out of two) (04)

1. Immunogenicity versus antigenicity
2. Factors influencing Immunogenicity.

(C) Attempt Any three (any three out of five) (03)

1. Define Immunogenicity.
2. Define Adjuvant.
3. Define Epitope.
4. Importance of Monoclonal Antibody.
5. What are polyclonal antibodies?

Q-4

(A) Answer the following (any one out of two) (07)

1. Organ Specific Autoimmune Diseases.
2. Anaphylaxis.

(B) Attempt Any one (any one out of two) (04)

1. Explain role of 'Pharmacologically active mediator in Hypersensitivity'.
2. Explain Immuno-suppression.

(C) Attempt Any three (any three out of five) (03)

1. What is SCID?
2. Define Autograft.
3. Define Tumor.
4. What is 'Arthus Reaction' ?
5. Comment on systemic lupus erythematosus.

Q-5

(A) Answer the following (any one out of two) (07)

1. Explain: Normal Microbial flora of Human.
2. Write a detail note on Natural Resistance: Species, Racial, Individual, External and Internal defence

(B) Attempt Any one (any one out of two) (04)

1. Write process of Infection.
2. Write the types of Infection.

(C) Attempt Any three (any three out of five) (03)

1. Define Racial Immunity.
2. Define Normal Flora.
3. What is LD50 Dose ?
4. What is Virulence Power?
5. Comment on Exotoxins.
