

B.Sc. Semester - 5 (Remedial) (CBCS) Examination
March/April-2026 (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.

-
- Que.1(A) Objective type questions. (04)
(1) Examples of Central lymphoid organs.
(2) Define: Herd immunity.
(3) Macrophages are developed from maturation of..... cells.
(4) Granules of eosinophil contain.....
- Que.1(B) Answer in brief (Any 1 out of 2) (03)
(1) Functions of T-cell.
(2) B Cell maturation.
- Que.1(C) Write a note on (Any 1 out of 2) (07)
(1) Types of immunity.
(2) Discuss in detail Secondary lymphoid organs
- Que.2(A) Objective type questions. (04)
(1) Function of Memory cells.
(2) Full form of HLA.
(3) Define: CDs.
(4) MHC class -I molecules is associated with..... cells. (CD8+, CD4+)
- Que.2(B) Answer in brief (Any 1 out of 2) (03)
(1) Plasma cell.
(2) Primary Immune Response.
- Que.2(C) Write a note on (Any 1 out of 2) (07)
(1) Write a detail account on Inflammation.
(2) Structure and properties of class I and II MHC.
- Que.3(A) Objective type questions. (04)
(1) Examples of Immunoglobulin classes.
(2) Define: Epitope.
(3) Define: Immunogen.
(4) Which antibody class can cross placenta?
- Que.3(B) Answer in brief (Any 1 out of 2) (03)
(1) Monoclonal Antibody.
(2) Haptens.
- Que.3(C) Write a note on (Any 1 out of 2) (07)
(1) Give a detail account on basic structure of antibody.
(2) Agglutination.
- Que.4(A) Objective type questions. (04)
(1) Immune complex mediated Hypersensitivity is also known as a.....(Type I/Type III)
(2) Full form of SLE.
(3) Define: Xenograft.
(4) Give one example of Immunodeficiency Disease.

- Que.4(B) Answer in brief (Any 1 out of 2) (03)
(1) Autoimmune diseases.
(2) Tumor immunity.
- Que.4(C) Write a note on (Any 1 out of 2) (07)
(1) Discuss in detail Type II Hypersensitivity.
(2) Transplantation immunity.
- Que.5(A) Objective type questions. (04)
(1) Full form of LPS.
(2) Define: Pathogenicity.
(3) Full form: PCR.
(4) Staphylococcus aureus is normal microflora of skin. (True/False)
- Que.5(B) Answer in brief (Any 1 out of 2) (03)
(1) Importance of normal microflora.
(2) Transmission of infection.
- Que.5(C) Write a note on (Any 1 out of 2) (07)
(1) Nosocomial infections.
(2) Write a detail note on ELISA.
