

B.Sc. Semester - 5 (CBCS) Examination**Oct/Nov - 2024 (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.

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- Que.1(A) Objective type questions. (04)
1. Mast Cell Granules contain.....
 2. Give one example of Peripheral Lymphoid Organ.
 3. Specific Immunity is also known as.....
 4. B-cell development occurs in which Tissue?
- Que.1(B) Answer in brief. (Any 1 out of 2) (03)
1. Write in brief about Granulocytes.
 2. Herd Immunity.
- Que.1(C) Write a note on. (Any 1 out of 2) (07)
1. Write a detail note on Primary Lymphoid Organs.
 2. Discuss in detail about types of Acquired Immunity.
- Que.2(A) Objective type questions. (04)
1. Write importance of Opsonin.
 2. Define: Lymphokines.
 3. Full-form of MHC.
 4. Give one example of Cytokine.
- Que.2(B) Answer in brief. (Any 1 out of 2) (03)
1. Memory Cells.
 2. Properties of MHC class II molecule.
- Que.2(C) Write a note on. (Any 1 out of 2) (07)
1. Write a detail account on Phagocytosis.
 2. Discuss- Cell Mediated Immune Response.
- Que.3(A) Objective type questions. (04)
1. Write one example of Hapten.
 2. Define: Paratopes.
 3. IgM antibody can cross placenta. (True/False)
 4. Examples of receptors present on Immunoglobulin Molecule.
- Que.3(B) Answer in brief. (Any 1 out of 2) (03)
1. Precipitation Reaction.
 2. Polyclonal Antibody.
- Que.3(C) Write a note on. (Any 1 out of 2) (07)
1. Give a detail account on basic structure of Antibody.
 2. Write in detail: Types, Properties, Epitopes of Antigen.

- Que.4(A) Objective type questions. (04)
1. Define: Xenograft.
 2. Antibody mediated hypersensitivity is also known as..... Hypersensitivity.
 3. Rheumatoid Arthritis is example of.....
 4. Type III hypersensitivity is also known as..... Hypersensitivity.
- Que.4(B) Answer in brief. (Any 1 out of 2) (03)
1. Tumor Immunity.
 2. Autoimmune Diseases.
- Que.4(C) Write a note on. (Any 1 out of 2) (07)
1. Discuss in detail IgE mediated Hypersensitivity.
 2. Immunodeficiency Diseases.
- Que.5(A) Objective type questions. (04)
1. Mention the name of microorganism which can cause Urogenital Tract Infection.
 2. Define: Hemagglutination.
 3. Give one example of Normal Skin Flora.
 4. Full form of PCR.
- Que.5(B) Answer in brief. (Any 1 out of 2) (03)
1. Sandwich ELISA.
 2. Virulence Factors.
- Que.5(C) Write a note on. (Any 1 out of 2) (07)
1. Nosocomial Infections.
 2. Write a detail note on Immunofluorescence.
