

B.Sc. Semester - 5 (CBCS) Examination**Oct/Nov.- 2024 (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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- Que.1(A) Answer the following. (Any one out of two) (07)
1. Types and function of T-cell.
 2. Write a detail account on Acquired Immunity.
- Que.1(B) Attempt any one. (04)
1. Granulocytes in detail.
 2. Herd Immunity.
- Que.1(C) Attempt any three. (03)
1. Full form of PMNs.
 2. Write function of Stem Cell.
 3. Full form of MALT.
 4. Define: Degranulation.
 5. Mention one example of Phagocytic Cell.
- Que.2(A) Answer the following. (Any one out of two) (07)
1. Discuss in detail about Secondary Immune Response.
 2. Describe a detail account on structure and properties of MHC class I molecule.
- Que.2(B) Attempt any one. (04)
1. Opsonization.
 2. Plasma Cell.
- Que.2(C) Attempt any three. (03)
1. CD4+ T cells bear a receptor that is specific for class I MHC molecules. (True/False)
 2. Full form of CTL.
 3. Full form of HLA.
 4. Full form of MHC.
 5. Redness is a cardinal sign of Inflammation. (True/False)
- Que.3(A) Answer the following. (Any one out of two) (07)
1. Immunogenicity Vs Antigenicity.
 2. Discuss in detail about basic structure of Antibody.
- Que.3(B) Attempt any one. (04)
1. Haptens.
 2. Polyclonal Antibody.
- Que.3(C) Attempt any three. (03)
1. IgG antibody can cross Placenta. (True/False).
 2. Importance of Adjuvants.
 3. Full form of sIgA.
 4. Different clones are used to make Polyclonal Antibody (True/False).
 5. Immunogen.

- Que.4(A) Answer the following. (Any one out of two) (07)
1. Transplantation Immunity.
 2. Type-II Hypersensitivity.
- Que.4(B) Attempt any one. (04)
1. Any two Autoimmune Diseases.
 2. Tumor Immunity.
- Que.4(C) Attempt any three. (03)
1. Define: Xenograft
 2. Define: Hypersensitivity
 3. IgM Antibodies are responsible for type I Hypersensitivity. (True/False).
 4. Immune complex mediated Hypersensitivity is also known as Hypersensitivity.
 5. Which type of Hypersensitivity is also known as Delay Type Hypersensitivity?
- Que.5(A) Answer the following. (Any one out of two) (07)
1. Give a detail note on ELISA.
 2. Importance of Normal Flora.
- Que.5(B) Attempt any one. (04)
1. Agglutination Based Test.
 2. Any two Virulence Factors.
- Que.5(C) Attempt any three. (03)
1. Define: Infection
 2. Define: Pathogen.
 3. Mention one example of Normal Skin Flora.
 4. Mention one example of UTI Causing Microorganism.
 5. Full form of LPS.
