

B.Sc. Semester - 5 (Remedial) (CBCS) Examination**March/April-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) Fullform of PMNs.
 - 2) Give two examples of phagocytic cell.
 - 3) Innate resistance mechanisms, also known as.....
 - 4) Define: Immunity.
- Que.1(B) Answer in brief. (Any 1 out of 2) (03)
- 1) Herd immunity.
 - 2) Null cells.
- Que.1(C) Write a note on. (Any 1 out of 2) (07)
- 1) Structure, functions and properties of NK cell.
 - 2) Discuss in detail Secondary lymphoid organs.
- Que.2(A) Objective type questions. (04)
- 1) Define: Opsonisation.
 - 2) Define: Interferon.
 - 3) Fullform of MBP.
 - 4) Define: Monokines.
- Que.2(B) Answer in brief. (Any 1 out of 2) (03)
- 1) T cell activation.
 - 2) Plasma cells.
- Que.2(C) Write a note on. (Any 1 out of 2) (07)
- 1) Write a detail account on Acute inflammation.
 - 2) Structure and properties of MHC class I molecule.
- Que.3(A) Objective type questions. (04)
- 1) Examples of Immunoglobulin classes.
 - 2) Define Epitopes.
 - 3) IgA is also known as Secretory IgA (True/False)
 - 4) Examples of receptors present on immunoglobulin molecule.
- Que.3(B) Answer in brief. (Any 1 out of 2) (03)
- 1) Basic structure of Antibody.
 - 2) Haptens.
- Que.3(C) Write a note on. (Any 1 out of 2) (07)
- 1) Give a detail account on Agglutination.
 - 2) Monoclonal Antibody.
- Que.4(A) Objective type questions. (04)
- 1) Immune complex mediated Hypersensitivity is also known as..... Hypersensitivity.
 - 2) Define: Autoantibody.
 - 3) Give one example of Autoimmune disease.
 - 4) Define: Allograft.

- 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 I Hypersensitivity.
 - 2) Transplantation immunity
- Que.5(A) Objective type questions. (04)
- 1) Full form of DNA.
 - 2) Define: Hemagglutination.
 - 3) Mention the name of microorganism which can cause gastrointestinal tract infection.
 - 4) *Staphylococcus aureus* can serve as a normal skin flora (True/False)
- Que.5(B) Answer in brief. (Any 1 out of 2) (03)
- 1) Importance of normal microflora.
 - 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 ELISA.
