

B.Sc. Semester - 5 (Remedial) (CBCS) Examination
March/April-2022 (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.
-

- Q.1(A) Answer the following (04)
1. Define immunity
 2. Enlist various immune organs
 3. What is lymph?
 4. Enlist various physical barriers of innate immunity
- Q.1(B) Answer in brief (one out of two) (03)
1. Explain Herd Immunity
 2. Explain central lymphoid organs
- Q.1(C) Write a note on (one out of two) (07)
1. Discuss Cells of immune system
 2. Write a detailed note on Types of Immunity
- Q.2(A) Answer the following (04)
1. Write signs of inflammation
 2. What are plasma cells?
 3. What is opsonization?
 4. What are interferons?
- Q.2(B) Answer in Brief (one out of two) (03)
1. Explain the role of Tumor Necrosis Factor in immunity
 2. What is cell mediated immunity
- Q.2(C) Write a note on (one out of two) (07)
1. Discuss in detail Immune response
 2. Explain in detail Complement system
- Q.3(A) Answer the following (04)
1. Define Immunogen
 2. Define Precipitation reaction
 3. What is avidity?
 4. What are adjuvants?
- Q.3(B) Answer in Brief (one out of two) (03)
1. Discuss basic structure of Antibody
 2. Discuss Agglutination reaction of Antigen Antibody reaction

- Q.3(C) Write a note on (one out of two) (07)
1. Write a note on Antigen Processing and Presentation
 2. Discuss Classes of Immunoglobulin and their functions in detail
- Q.4(A) Answer the following (04)
1. What is immune tolerance?
 2. Give full form of ADCC
 3. Define Hypersensitivity
 4. What is xenograft?
- Q.4(B) Answer in Brief (one out of two) (03)
1. Discuss in brief Autoimmune diseases
 2. Explain Tumor Immunity
- Q.4(C) Write a note on (one out of two) (07)
1. Write a note on Hypersensitivity reactions
 2. Discuss in detail Immunodeficiency diseases
- Q.5(A) Answer the following (04)
1. Give full form of ELISA
 2. What is gnotobiotic life?
 3. Define pathogenicity
 4. What are nosocomial infections?
- Q.5(B) Answer in Brief (one out of two) (03)
1. Discuss Complement fixation test
 2. Explain Immunofluorescence
- Q.5(C) Write a note on (one out of two) (07)
1. Write a detailed note on Normal Flora of the Human body
 2. Discuss in detail the process of Infection.
