

B.Sc. Semester - 5 (Remedial) (CBCS) Examination
March/April-2022(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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- Q.1(A) Answer the following (Any one out of two) (07)
1. Write a note on humoral and cell mediated immunity
 2. Write a note on primary and secondary lymphoid organ
- Q.1(B) Answer in brief (Any one out of two) (04)
1. Give the types of immunity and give its example.
 2. Write a difference between B cell and T cell
- Q.1(C) Answer the following (Any three out of five) (03)
1. Give the full form of GALT
 2. How many cells are known as phagocytic cells _____
 3. B cell mature in _____ and T cell mature in _____
 4. B cells are activated by _____
 5. The specificity of antibody due to _____
- Q.2(A) Write a note on (Any one out of two) (07)
1. Write a detail note on basic structure of immunoglobulin.
 2. Explain immunoglobulin classes and their biological activity
- Q.2(B) Answer the following (Any one out of two) (04)
1. Which factor influence the Antigenicity?
 2. Give the difference between monoclonal and polyclonal antibody
- Q.2(C) Answer the following (Any three out of five) (03)
1. Antibody are made up of _____
 2. The _____ immunoglobulin are pentamers
 3. _____ antibody is secreted into serum during a primary antibody response.
 4. _____ immunoglobulin molecule able to cross the placenta
 5. _____ Immunoglobulin present normally in plasma in highest concentration.
- Q.3(A) Answer the following (Any one out of two) (07)
1. Explain: primary and secondary immune responses
 2. Give the detail on humoral immunity
- Q.3(B) Answer the following (Any one out of two) (04)
1. Write a note on opsonization
 2. Write a note on structure and property of MHC class 1

- Q.3(C) Answer the following (Three out of five) (03)
1. Cell mediated immunity carried out by _____
 2. Humoral immunity carried out by _____
 3. Give the full form of MHC
 4. What are Cytokines?
 5. Define interleukins
- Q.4(A) Answer the following (Any one out of two) (07)
1. Discuss in detail anaphylaxis
 2. Explain type 2 hypersensitivity
- Q.4(B) Answer the following (Any one out of two) (04)
1. Give type of Anaphylaxis
 2. Which are the type of transplant
- Q.4(C) Answer the following (Three out of five) (03)
1. What is atopy?
 2. What is SCID?
 3. What do you mean by ADCC?
 4. Give types of tumour
 5. Give classification of hypersensitivity.
- Q.5(A) Answer the following (Any one out of two) (07)
1. Give process of infection and types of infection
 2. Describe microbial virulence factors
- Q.5(B) Answer the following (Any one out of two) (04)
1. Difference between endotoxin and exotoxin
 2. Give the detail about normal flora of skin
- Q.5 (C) Answer the following (Three out of five) (03)
1. Define: virulent
 2. Define: Natural resistance
 3. Typhoid is caused by _____
 4. *Vibrio cholerae* is responsible for _____ disease.
 5. Give the body part name in which microbial flora is found.
