

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (BT) (2018 Batch) (Sem.-4)
IMMUNOLOGY & IMMUNOTECHNOLOGY

Subject Code : BTBT-402-18

M.Code : 77587

Date of Examination : 05-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Answer briefly :

- a) Define Hapten.
- b) What is Antisera?
- c) What is GALT?
- d) What is the function of Dendritic cells?
- e) Define Affinity and Avidity.
- f) What is the role of Adjuvant?
- g) What are Epitopes?
- h) What are Immunoglobulins? List Types.
- i) Define agglutination.
- j) What is the difference Between Monoclonal and Polyclonal Antibodies?

SECTION-B

2. What are Different types of Immunity? Explain.
3. What is Complement system? Discuss about components and function.
4. Write a note on Production of monoclonal antibodies.
5. Write Principle and applications of Radio Immuno Assay.
6. Discuss Characteristics of an Antigen.

SECTION-C

7. Elaborate on Structure, Types, Properties and Functions of Immunoglobulins.
8. Explain Role of MHC and Discuss Mechanism of Antigen processing and Presentation.
9. Deliberate on Cytokines, their types and role in immune response and Inflammation.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.