

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (BT) (2018 Batch) (Sem.-3)

IMMUNOLOGY

Subject Code : BSBT-302-18

M.Code : 76609

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. Write briefly :**

- a) What weakens the immune system? What are the signs of weak immune system?
- b) Who is the father of immunology?
- c) Define specific and non-specific immunity.
- d) Describe the role of spleen in immune system.
- e) What is the difference between antibody affinity and avidity?
- f) What do you mean by complement fixation?
- g) What is HLA?
- h) What are cytokines?
- i) Define immunomodulation.
- j) What are Peyer's patches?

SECTION-B

2. What are specific functions of MHC molecules?
3. Describe the different components of immune system.
4. What is complement system? Describe pathways of complement activation.
5. Differentiate between T-dependent and T-independent antigens.
6. Describe the contributions of different scientists in the development of immunology.

SECTION-C

7. Describe the differentiation of T-cells. What are the different subsets of T-cells?
8. What are the different lines of defense of body?
9. Describe the mechanism of humoral immune response.

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.