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B.Tech.(BT) (2012 to 2017) (Sem.-5) IMMUNOLOGY & IMMUNOTECHNOLOGY-II

Subject Code: BTBT-502 M.Code: 70503

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

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

SECTION-A

Q1) Write briefly:

- avasation
 c) Positive selection of T cells
 d) Sequestered antigens
 e) Prim
- e) Primary immunodeficiency
- f) Graft vs. host reactions
- g) Serum sickness
- h) Interleukins
- i) Central tolerance
- j) Tumor associated transplantation antigen



SECTION-B

- Q2) Mention the different properties of cytokines.
- Q3) How cytotoxic T cells kill the target cells?
- Q4) How HLA typing is carried out?
- Q5) Describe the autoimmune response generated in systemic lupus erythematosus.
- Q6) How does B cell get activated?

SECTION-C

- Q7) Write the classical pathway of complement system. Mention the function of complement system.
- Q8) Describe the type I and III hypersensitive reactions.
- Q9) Explain in detail immune responses involved to control the bacterial infection with examples.

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.

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