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Roll No.

Total No. of Questions: 18

Total No. of Pages : 02

B.Tech. (BT) (2018 Batch) (Sem.-4) IMMUNOLOGY & IMMUNOTECHNOLOGY Subject Code : BTBT-402-18 M.Code: 77587

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES :

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

SECTION-A

Answer briefly :

- Q1 Opsonization
- Q2 Phagosome and oxidative burst
- O3
- Lust Luar mimicry Structure and function of Class II MHC Tumor associated antigen 04
- Q5
- Q6
- Myeloma cells and Bence jones protein Q7
- **O8** Contact Dermatitis
- Q9 Clonal Anergy
- Q10 Passive Immunization



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SECTION-B

- Q11 How tumor escape from immune response?
- Q12 How HLA typing is carried out and why is it done before transplantation?
- Q13 Explain the missing self- hypothesis of NK cells.
- Q14 Explain the important steps of Radio-immunoassay.
- Q15 Describe the Hybridoma Technology.

SECTION-C

- Q16 Describe the general mechanism of type I hypersensitive reaction or allergy. Write about systemic anaphylaxis.
- Q17 Describe the principle of flow cytometry. How flow cytometry can be used to count different leukocytes? Briefly discuss the immunofluorescence.
- Q18 Describe the role of different immune cells in control of tumor growth. Describe the two different ways of tumor evasion of the immune system.

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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