

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(BT) (2013 to 2017) (Sem.-4)

IMMUNOLOGY-II

Subject Code : BSBT-202

Paper ID : [F0241]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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**Q1. Answer briefly :**

- a) Plasma cell and their function in immune response.
- b) Sub-unit vaccine
- c) Allergic reactions
- d) Iso-graft
- e) Metastasis
- f) Cell mediated immunity
- g) AIDS
- h) Toxins
- i) Necrosis
- j) Primary response

SECTION-B

- Q2. What is the role of MHC molecules in antigen presentation?
- Q3. Discuss the concept of immunization and its significance.
- Q4. What is immune suppression? How it is achieved?
- Q5. Explain hypersensitivity type -I.
- Q6. How T-Helper cells activate B-cells?

SECTION-C

- Q7. a) Explain antigen presentation mechanism in detail.
b) How HIV infection take place?
- Q8. a) Define transplantation. Discuss the factors affecting transplantation process.
b) Through which routes microbes enter the host? Which factors influence the infection?
- Q9. a) Describe the types of vaccines.
b) Write the details of tumor immunology.