

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**M.Sc.(BT) (2016 to 2017) (Sem.-1)**

# IMMUNOTECHNOLOGY

**Subject Code : MSBT-107**

**M.Code : 15004**

**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. Define :**

- a. Adaptive immunity
- b. Precipitation
- c. Haptens
- d. Epitopes
- e. Self reactive B cells
- f. Immunofluorescence
- g. Complement
- h. Cell mediated immune response
- i. Immunotechnology
- j. T cells

### **SECTION-B**

- Q2. Discuss the mechanism of cell mediated immunity.
- Q3. Discuss the structure of immunoglobulin M.
- Q4. Describe the agglutination reaction.
- Q5. Discuss the production of monoclonal antibody.
- Q6. Discuss T cell selection.

### **SECTION-C**

- Q7. Discuss the process of B cell maturation and selection.
- Q8. Discuss alternate pathway of complement system.
- Q9. Discuss the structure and function of spleen.

**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.**