

Roll No.....

Total No. of Printed Pages: 1

Total No. of Questions: [09]

B.Sc. (MLS) (Semester –4th)
IMMUNOLOGY & MYCOLOGY
Subject Code: BMLS1425
Paper ID: [130516]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Superficial Mycosis and its examples
- b. KOH Examination
- c. Monoclonal Antibodies
- d. Normal Fungal flora
- e. SDS-PAGE
- f. Germ Tube test
- g. T Cells
- h. Passive Immunization
- i. Paratope
- j. Immunofluorescence

Section – B

(5 marks each)

- Q2. Write down the differences between Cell mediated and Humoral Immune response.
- Q3. Define and classify various serological tests. Write in detail about agglutination reactions.
- Q4. Describe the structure of immunoglobulin and write in detail about IgA antibody.
- Q5. Define autoimmunity. Write various mechanisms of autoimmune diseases.
- Q6. Draw and label classical complement pathway.

Section – C

(10 marks each)

- Q7. Define vaccination and enumerate its types. Write in detail about live vaccines. Give examples.
- Q8. Define hypersensitivity. Write in detail about the Type IV hypersensitivity.
- Q9. Describe in detail about the techniques used for isolation and identification of pathogenic fungi.