

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (MLS) (Sem.-4)
IMMUNOLOGY AND MYCOLOGY

Subject Code : BMLS-407-18

M.Code : 77715

Date of Examination : 20-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS 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

1. Write briefly :

- a) What is MMR vaccine?
- b) Define ELISA.
- c) Define Hypersensitivity.
- d) Give two examples of live vaccine.
- e) Write the principle of Widal test.
- f) How will you cultivate fungi in laboratory?
- g) What is a transport media?
- h) Write a short note on SDS-PAGE.
- i) What is normal flora?
- j) Name two opportunistic fungi.

SECTION-B

2. Write a detailed note on direct immune-fluorescence method.
3. Write a brief note on classical pathway of complement activation.
4. Discuss the antigen antibody reactions.
5. Describe the principle, procedure and interpretation technique of RIA.
6. Enumerate the transmission of fungal infections by air and contact in laboratory.

SECTION-C

7. What is lattice hypothesis and give a detailed note on electro immunodiffusion?
8. Explain various methods for identification of yeasts and moulds.
9. Define immunity and explain various types of immunity.

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.