

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

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

Subject Code : BMLS407-18

M.Code : 77715

Date of Examination : 07-06-2023

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 VDRL?
- b) Difference between innate and acquired immunity.
- c) Write down properties of immunoglobulins.
- d) Write down examples of common fungal laboratory contaminants.
- e) What is antigen-antibody reaction?
- f) What is mycoses? Give two examples of deep mycoses.
- g) Define cellular immune response with examples of cells involved in this response.
- h) What is the role of CCIEP?
- i) Write down two methods for identification of moulds.
- j) What are the types of antigen?

SECTION-B

2. Write a note on Extended Programme of Immunization (EPI).
3. Discuss about culture media used for dimorphic fungi.
4. Write the principle and application of western blotting in medical microbiology.
5. Write down classification and general characteristics of medically important fungi.
6. Discuss about classical complement activation pathway.

SECTION-C

7. Define hypersensitivity. Discuss about hypersensitivity reactions in detail.
8. Write down principle, procedure and interpretation of Rose - Waaler and CRP serological test.
9. Write a note on following :
 - a) Preservation of fungal cultures
 - b) Methods for identification of yeasts.

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.