

[illegible]

Total No. of Questions : 09

M.Code : 48117

Max. Marks : 60

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.

1. Answer briefly :

- A) Define antigen antibody reaction.
- B) Write the principle of Widal test.
- C) Write a short note on the standardisation of antisera.
- D) Name any two filamentous fungi.
- E) Give two examples of live vaccine.
- F) What are monoclonal antibodies?
- G) Name any four antifungal agents.
- H) What is normal flora?
- I) Write the preparation of KOH wet mount.
- J) What is a transport media?

SECTION-B

2. What are the difference between active and passive immunity?
3. Discuss direct immune-fluorescence methods.
4. Write a note on delayed hypersensitivity.
5. Describe the Classical Pathway of Complement activation.
6. Enumerate opportunistic fungal infections.

SECTION-C

7. Define Immunity and describe in detail the types of immunity.
8. Describe in detail sample collection and processing for fungal infections.
9. What is Lattice Hypothesis? Add a note on Electro immunodiffusion.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.