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Total No. of Pages : 02

Total No. of Questions : 11

M.Sc (Medical Microbiology) (Sem.-3)

VIROLOGY AND MYCOLOGY

Subject Code : MMB-301-21

M.Code : 92525

Date of Examination : 12-12-22

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **EIGHT** questions carrying **FIVE** marks each and students have to attempt any **SIX** questions.
3. **SECTION-C** contains **TWO** compulsory questions carrying **TEN** marks each with internal choice and the student has to attempt any **ONE** from each questions.

SECTION-A

1. Answer briefly :

- a. What is viral Hemagglutination?
- b. Enlist the virus cultivation methods.
- c. What is negative strand RNA virus?
- d. Virus responsible for Japanese encephalitis.
- e. Differentiate between mould and yeast.
- f. Diagnosis method for mycetoma.
- g. Diagnosis method used for opportunistic mycosis.
- h. Symmetry of capsid.
- i. Differentiate between lambda and mu phages.
- j. Enlist molecular techniques for diagnosis of fungal infection.

SECTION-B

2. Write in brief about purification method of virus.
3. Write immunoprophylaxis method of Rubella virus.
4. Briefly classify fungi and chemotherapeutic agents used for treatment of fungal infection.
5. Explain the mechanism of transmission of virus.
6. Write a note on molecular techniques used for clinical diagnosis of viral disease.
7. Write down the prevention and control measures for viral infection.
8. Explain in brief about pathogenicity and clinical features of Tinea versicolor.
9. Describe the pathogenicity and medical features of yellow fever.

SECTION-C

10. Elaborate the morphology, pathogenesis, clinical syndromes, laboratory diagnosis, prevention and treatment of cryptococcosis candidiasis.

OR

Enumerate DNA viruses. Discuss about variola virus.

11. Enumerate the RNA Viruses. Describe the morphology, pathogenicity and laboratory Diagnosis of Rabies Virus. Add a note on Antirabies Prophylaxis.

OR

Discuss in detail about the morphology, pathogenesis, laboratory diagnosis and prophylaxis of oncovirus.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.