

Class: M.Sc. Semester –III

Examination: 2022
Subject: Microbiology
Paper Name: Medical Microbiology
Paper Code: MMB –C 302

Time : 3 Hrs

Max. Marks: 70

Min. Pass % 40

SECTION –A
(Short Answer Type)

Note:- Answer any Five questions in about 150 words each. Each question carries six marks. (05 × 6=30)

- Q.1) Historical achievements in the field of medical microbiology
- Q.2) Different phases of infectious disease cycle
- Q.3) Common reservoirs of infectious microbes and sources of disease
- Q.4) Antigenic Shift and Drift
- Q.5) Characteristics of a pathogen those make them more successful
- Q.6) Epidemiology and disease symptoms caused by Ebola virus
- Q.7) Point out the features that make HIV untreatable
- Q.8) Justify , how vaccination programs in prescribed schedule of are important for society.
- Q.9) Define MDR and MIC.
- Q.10) Causal organism, symptoms and treatment of tenia corporis.

SECTION –B
(Long Answer Type)

Note:- Attempt any Four questions. Each question carries Ten marks (04 × 10 =40)

- Q.1) Describe importance and mechanisms of resident microflora that how it benefit the host.
- Q.2) Detail the various ports of entry and mode of transmission of pathogenic microorganism
- Q.3) Give a detail note on Exotoxin mediated bacterial pathogenesis
- Q.4) What are the different infections caused by Staphylococcus. Describe their symptoms prophylaxis and treatment.
- Q.5) Briefly describe the disease caused by MMR virus.
- Q.6) Discuss epidemiology, pathogenesis, symptoms and prophylaxis of Rabies virus.
- Q.7) Point out in brief different methods of laboratory diagnosis for the identification of pathogens.

OR

How systemic mycoses is different from other types of mycoses. Explain aspergillosis.

- Q.8) Give examples of antimicrobial drugs and explain modes of action of antibiotics.