

M.Sc. (Micro) Semester - 3 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2024)
Pharmaceutical and Medical Microbiology (Core (New-23))

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1 Do as direct (any seven out of eight questions) (14)

- 1) Gives an example of Anti Malaria drug.
- 2) Describe Anti Malaria in brief.
- 3) Define Gnotobiology.
- 4) Define the QSAR.
- 5) Explain the xenograft and allograft in detail.
- 6) What is the virulence factors?
- 7) Describe the adoptive cell therapy.
- 8) Explain the CRO and its role in industries.

Que.2 Answer the following (Any Two Questions) (14)

- (A) Write note on small and large molecule drugs.
- (B) Explain preclinical and clinical trials of a drug discovery process.
- (C) Write note on pharmacokinetics and pharmacodynamics approach.

Que.3 Answer the following (Any Two Questions) (14)

- (A) Write a brief note on SARS.
- (B) Explain the pathogenesis, diagnosis, prevention and treatment of Mycobacteria.
- (C) Write a note on nonspecific host defenses.

Que.4 Answer the following (Any Two Questions) (14)

- (A) Write a note on the immune response in bacteria.
- (B) Explain the secondary immunodeficiency.
- (C) Describe the cancer immunotherapy and its types.

Que.5 Answer the following (Any Two Questions) (14)

- (A) Describe the concept of the Multidrug resistance.
- (B) Explain the molecular diagnosis of genetic disease and its types.
- (C) Discuss DNA vaccines and multivalent vaccines.
