

Paper-III

Technician (Virus research & Therapeutics)

Post Code T-14, Advt. No. 04/2024.

Syllabus:

Basic concept of virus and virus related diseases,

Culture techniques both eukaryotic and prokaryote cell culture,

Molecular biology techniques: isolation of viral genome, plasmid isolation, Gel electrophoresis, polymerase chain reaction (PCR),

Recombinant protein expression and purification, SDS PAGE electrophoresis, western blot.

BSL2+ containment facility: waste disposal, cell line storage and maintenance.

Sterilization techniques, buffer preparation, media preparation, and laboratory document preparation and maintenance.

Animal handling: dosing, breeding and administration of drugs through different routes.

Computer handling, and awareness of basic computer programs used in laboratory work.