

M.Sc. Medical microbiology

PROGRAMME OUTCOME

At the end of the course, the student shall have achieved the following overall objectives:

- ❖ Knowledge of the morphology, growth characteristics, laboratory identification, habitat, transmission and pathogen city of viruses, bacteria, fungi and parasites commonly associated with human infections.
- ❖ Acquired practical skills in the laboratory diagnosis of human infections caused by viruses, bacterial, fungi and other parasites.
- ❖ An understanding of the applications of molecular biology in the diagnosis of human infections and learn biomedical waste management.
- ❖ Understood current trends in medical microbiology and be able to critically appraise published work and demonstrate an ability to design, undertake and interpret a research project and present it in the form of a dissertation. To acquire competency in teaching in medical institution.

COURSE OUTCOME

At the end of the course the student should:

- ❖ To be able to identify morphology, growth characteristics of various micro-organism and should know various laboratory identification methodologies for the diagnosis of infectious disease and should be able to correlate habitat, transmission and pathogenicity with the infective organism.
- ❖ Should be able to perform molecular techniques for the diagnosis of various human infections.
- ❖ Should be able to plan, execute and analyze disposal of BMW and its implementation in hospital infection control.
- ❖ Carry out applied and fundamental research in various branched of Microbiology and Undertake teaching in Medical Institutions