

MD MICROBIOLOGY

Programme Objectives	Programme Outcomes	Course Outcomes
<p>To impart training to Post Graduates:</p> <ul style="list-style-type: none"> ❖ To acquire knowledge and skills in various branches of Microbiology, so as to enable them to become a competent Medical Microbiologist. ❖ To apply their training in patient care for early diagnosis of the disease. ❖ To utilize knowledge acquired for preparation of guidelines regarding infection control and implementation of infection control methods of antibiotic policy. ❖ To plan and carry out fundamental and specialized research. ❖ To operate routine and sophisticated instruments in the laboratory. ❖ To develop presentation skills for delivering scientific papers. 	<p>At the end of postgraduate training the students should be able to:</p> <ul style="list-style-type: none"> ❖ To have knowledge about the clinical features, etiology, pathogenesis and laboratory diagnosis of communicable diseases caused by micro-organisms and apply that knowledge in the treatment, prevention and control of such diseases. ❖ To know the principles of immune mechanism which help to understand the pathogenesis and laboratory diagnosis of infectious and non-infectious diseases. ❖ To become a competent Microbiologist and to establish diagnostic. ❖ Microbiology laboratory in hospitals and community for patient care. ❖ To acquire teaching ability and to handle classes for undergraduates. ❖ To prepare the student for fundamental and applied research Psychomotor domain. ❖ To give guidelines for proper collection, transport and processing of clinical specimen. ❖ To have a sound knowledge of techniques of sterilization, preparation of media, disposal of 	<p>At the end of the course, the students should be able to:</p> <ul style="list-style-type: none"> ❖ Establish good clinical microbiological services in a hospital and in the community in the fields of bacteriology, virology, parasitology, immunology and mycology. ❖ Plan, execute and evaluate teaching assignments in medical Microbiology. ❖ Plan, execute, analyze and present the research work in medical Microbiology.

	<p>biomedical waste and implementation of infection control measures.</p> <ul style="list-style-type: none">❖ To acquire competency in teaching and diagnostic work.❖ To develop team spirit in organizing academic activities.❖ To follow ethics in routine and research activities.	
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