

PRACTICAL III: MEDICAL MICROBIOLOGY

Semester	Subject code	Category	Lecture		Theory		Practical		Credit
			Total hrs	Hrs/week	Total hrs	Hrs / week	Total hrs	Hrs/week	
V		Practical	0	0	0	0	60	5	3

1. General requirements of collection, transport of clinical specimens – Direct Examination – staining of specimens methods of Enriched, Selective and Enrichment culture techniques.
2. KOH and Lactophenol preparations for skin scrapings of fungi.
3. Enumeration of Bacteria in urine. Quantitative urine culture.
4. Germ tube, Assimilation, fermentation tests for yeasts.
5. Isolation and identification of Bacterial pathogens from clinical specimens, their biochemical reactions.
6. Antimicrobial sensitivity testing - Kirby bauer method – MIC - broth dilution method and quality control.
7. Wet mount preparation of stool samples for the identification of ova and cysts.
8. Blood smear preparation for Malarial Parasite