

## **OBJECTIVES FOR THE FIVE MONTH LABORATORY TRAINING IN POSTGRADUATE DIPLOMA IN MEDICAL MICROBIOLOGY TRAINING PROGRAMME**

To change the title of the 5 month training programme as “**clinical laboratory based bench training**”

### **General objective:**

At the end of this period, the trainee should be able to demonstrate the capability of laboratory diagnosis of infectious diseases

### **Specific objectives:**

At the end of the period of training, the trainee should be able to:

- Instruct others on the appropriate collection and transport of specimens used for microbiological laboratory diagnosis
- Process specimens (urine, blood, other sterile fluids, pus, respiratory specimens, faeces, swabs etc) according to Standard Operating Procedures for microbiological diagnosis and explain the scientific principles underlying each procedure.
- Identify common microorganisms encountered in a clinical microbiology laboratory.
- Perform identification tests: Gram stain, Z-N stain, catalase test, coagulase test, oxidase test, inoculation of Kligler Iron Agar (KIA), urea, bile esculin, streptococcal grouping, serotyping for Salmonella and shigella etc.
- Interpret laboratory results.
- Perform antibiotic susceptibility tests (Joan Stokes and CLSI) and interpret results.
- Perform technical and clinical validation of laboratory reports.
- Know the most appropriate mode of communication of test results depending on the laboratory protocols (blood culture, CSF culture, urgent results etc.).
- Prepare reagents, stains, culture media and their quality control.
- Practice biosafety in a laboratory that handles infectious agents (laboratory discipline, cleaning, disinfection and sterilization, use of biosafety cabinet etc).
- Know and operate the most important items laboratory equipment in a basic clinical microbiology laboratory.
- Know organism related infection control activities.
- Demonstrate understanding of laboratory audits.
- Demonstrate understanding of laboratory waste disposal.
- Demonstrate understanding of the importance of team work and communication with laboratory and clinical staff.

## **Amendments to the Prospectus - Postgraduate Diploma in Medical Microbiology 2013**

Board of Study in Microbiology discussed the format of the Selection Examination at the meeting held on 6<sup>th</sup> January 2012 and **unanimously decided to remove the viva component at the future Selection Examinations.**

### **Item 4 Selection process**

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Sub item b) Corrected as  
“Trainees are selected based on the overall mark obtained at the qualifying examination which has 2 components: an essay paper and a multiple choice question paper.”

Sub item c) and d) No change

Sub item e) and f) Delete

Sub item g) and h) No change

Sub item i) Allocation of marks  
corrected as

	Component	% of final aggregate
1	MCQ paper	85
2	Essay question	15
	Total	100

### **Item 9 Format of assessments**

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Sub item F Repeat attempts

Sentence one should be corrected as;  
A candidate must complete the Diploma within **6** attempts in not more than **8** years from the date of first attempt at the Diploma examination, unless the Senate has permitted extension for valid reasons.

### **Annex 1**

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List of training centers\*

This list will be subject to revision based on availability of trainers and accreditation of the laboratory by the Board of study