

Department of Microbiology

IQ City Medical College, Durgapur

IQMC/MIC/342024

Date: 12.11.2024

Notice

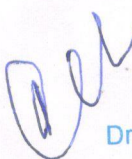
A Theoretical Part Completion Test will be held on 18th November, 2024 on **General Bacteriology & Pandemic Module**.

❖ **Syllabus:** All the covered topics so far.

- a) **GENERAL BACTERIOLOGY (MI 1.1 to 1.11)**
 - History & Scope of Microbiology.
 - Classification, Nomenclature & Taxonomy of bacteria. General concepts of pathogenesis and disease spectrum.
 - Morphology & Structure of Bacteria.
 - Bacterial Genetics.
 - Growth & Nutrition of bacteria.
 - Bacterial Growth curve.
 - Basic concepts of mycology: Morphology, Structure & Classification
 - Basic concepts of virology: Morphology, Structure, Classification & Viral replication
 - Basic concepts of Medical Parasitology: Host-parasite relationship, Types, Routes of entry of parasites, Classification and their characteristic features.
 - Normal flora. Common features of host parasite relationship.
 - Principles of Laboratory Diagnosis of Infectious diseases: Pre analytical, analytical & post analytical steps in Laboratory diagnosis.
 - Antimicrobial susceptibility testing, Mechanisms of antimicrobial drug resistance and monitoring of antimicrobial therapy.
 - Recent advances in diagnostic microbiology (Automated system & Molecular assay, Sequencing, etc.)
 - Sterilization & Disinfection
- b) **PANDEMIC MODULE No. 2.1 & 2.3**
 - Standard precautions and basics of Infection Control
 - Expanded precautions or Transmission based precautions
 - Hand hygiene (Types & 5 moments for hand hygiene)
 - Types & Uses of PPE. Donning-Doffing of PPE
 - Infection Control Part2: HICC
 - Specimen selection, collection, transportation & storage requirement during a pandemic.
 - HICC
 - Various diagnostic modalities available for an infectious disease. Explain sensitivity, specificity, positive predictive value & negative predictive value of each of the diagnostic test/modality.
 - Biomedical waste management in pandemic module
- c) **Venue of examination :** Sushruta Lecture Theatre
- d) **Time:** 03:00 p.m. to 05:00 p.m.

N.B. Attendance is mandatory and marks obtained in this test will contribute to Internal Assessment at the end of the course.

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