

24MBVC02	VAC: CLINICAL MICROBIOLOGY	SEMESTER : EVEN
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Course Objectives:

The course aims

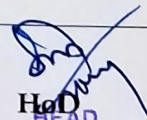
- To enable the learners to know basics in Clinical Microbiology.
- To learn the diagnosis of infectious diseases.

Total Hours: 30

UNIT	CONTENTS	Hrs of Execution
I	Infection: Sources of infection - transmission of infection -types of infection. Classification of microbes based on hazard -Types of diseases - disease carriers.	06
II	Collection and transport of clinical specimens: urine, pus, faeces, sputum and blood.	06
III	Microbiological examination of samples: sputum, pus, faeces and urine. Diagnosis of anaerobic infections.	06
IV	Serological diagnosis of microbial diseases: Antigen tests- Agglutination test for pregnancy, Elek's gel precipitation test, ELISA. Antibody tests - WIDAL, ASO. Monoclonal antibodies in clinical microbiology.	06
V	Molecular diagnosis of infectious diseases: tuberculosis, malaria, AIDS. RFLP as a molecular marker in disease diagnosis.	06

Text Book:

1. *Ananthanarayan, R. and Jayaram Paniker, C.K. 2022. Text book of Microbiology. [Twelfth edition]. University Press (India) Private Limited, Hyderabad.*


HEAD

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