

21MBCC02

BASICS IN MICROBIOLOGY

SEMESTER : EVEN

Course Objectives:

The course aims

- To understand the beneficiary role of microorganisms that provides entrepreneurship.

Total Hours: 30

UNIT	CONTENTS	Hrs of Execution
I	Introduction to Microbiology: Scope and historical developments in Microbiology. General properties of microorganisms-bacteria, virus, fungi, algae and protozoan.	06
II	Microscopy: Definition, parts, handling and maintenance of compound microscope.	06
III	Staining: Types of stains. simple staining, differential staining	06
IV	Sterilization: Physical and chemical sterilization	06
V	Chemotherapy: Kirby Bauer technique-well and disk diffusion method. Phenol coefficient method.	06

Text Book:

- Lancing M Prescott, John P Harley and Donald A Klein. 2010. Microbiology (Eighth Edition), Mc GrawHill, New York.

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25/1/23
HOD