

## Basic Microbiology

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### Course Outcome:

1. Identify the major characteristics of microorganisms and their importance in various fields.  
(Knowledge)
2. Differentiate between Nutrient Agar, Nutrient Broth, slants, stab, and plates as culture media for microbiological studies.  
(Understanding)
3. Demonstrate the proper use of a microscope for observing microorganisms and explain the principles of microscopy.  
(Application)
4. Perform a Gram staining procedure and differentiate between Gram-positive and Gram-negative bacteria.  
(Analysis)
5. Prepare various types of culture media for the growth and isolation of microorganisms.  
(Synthesis)
6. Cultivate and maintain pure cultures of microorganisms to study their growth characteristics.  
(Evaluation)
7. Estimate bacterial growth through various methods such as viable plate count and turbidity measurements.  
(Evaluation)

Select Language 

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