



**B. Sc. (MICROBIOLOGY) SEMESTER-I
Paper-II
(Basic Techniques in Microbiology)**

UNIT-I

Phase Contrast Microscopy

<https://youtu.be/mFTZuLb27BQ>

Parts of Compound Microscopy

<https://youtu.be/N4D0BKrXVbk>

Microscope working

<https://youtu.be/b2PCJ5s-iyk>

The Scanning Electron Microscope

<https://youtu.be/GY9lfO-tVfE>

Transmission Electron Microscopy

<https://youtu.be/D3JY4LgyX6Q>

UNIT-II

Acid fast staining Technique

<https://youtu.be/yMxUHAsjo8k>

Structural staining-Endospore and Flagella staining

https://youtu.be/_eVkwqpsOXw

Staining Methods

<https://youtu.be/2ZBFAO8GDQ0>



DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

UNIT-III

Methods of Isolation of Pure Cultures

<https://youtu.be/eKdfO3AREmg?si=9M-9HFBT84fAvA8g>

Auxanographic Technique

<https://youtu.be/36dO6TNVyeI?si=McICDm4QAMvSlx6r>

Replica Plate Technique

<https://youtu.be/xcbtrkFn7-U?si=UyWvvmq3FfJIE0HX>

Methods for Preservation of Pure Culture of Organisms

https://youtu.be/eKdfO3AREmg?si=H-CoBk_YUZtXoQ35

Pure Culture Collection Centres

https://youtu.be/mRLPqfcKe8k?si=jh_qFo9jUdOEjXp2

UNIT-IV

Microbial Control

https://youtu.be/-ps_0InQBSk?si=cnpNQMd6GQ2te9mP

Physical Methods of Microbial Control

https://youtu.be/c31PGSri4_k?si=xLqMOpGY5RFHtptV

Chemical Methods of Microbial Control

<https://youtu.be/Xs0vGauO0Rk?si=1dCGXxZdDJ6ZKLma>