

**Yashwantrao Chavan College of Science Karad**

**Department of Microbiology (B.Sc- II)**

**Course Outcomes (COs)**

**Paper V - C-9-DSC- 5: Microbial Physiology & Metabolism**

After completion of this course, students will be able

CO 1	To make the students to learn concepts of microbial physiology.
CO 2	To develop a good understanding regarding effect of environmental factors on growth of microorganisms
CO 3	To understand the mechanism of transport across microbial cell membrane.
CO 4	To clear he basic concept of microbial metabolism

**Paper VI - C9-DSC- 6: Applied Microbiology**

After completion of this course, students will be able

CO 1	To develop the knowledge regarding air microflora and its role and analysis
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CO 2	To study water microbiology, water analysis and its purification and disinfection.
CO 3	To study milk microbiology and quality control of milk.
CO 4	To learn the basic understanding of industrial microbiology

**Paper VII - C-5-: DSC- 7: Microbial Genetics & Molecular Biology**

After completion of this course, students will be able

CO 1	To learn the basic concepts of Microbial genetics.
CO 2	To gain knowledge regarding types of mutation.
CO 3	To demonstrate the model of gene transfer in bacteria.
CO 4	To gain the knowledge about DNA repair and Lac operon.

**Paper VIII - C5: DSC- 8: Basics in Medical Microbiology & Immunology**

After completion of this course, students will be able

CO 1	To learn about basic concept of medical microbiology.
CO 2	To make aware students about disease.
CO 3	To understand the defense mechanism of vertebrate body.
CO 4	To learn about concept of antigen and antibody

**Practical Course III**

After completion of this course, students will be able

CO 1	To understand basic techniques n special staining.
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CO 2	To study the biochemical characteristics of different microorganisms.
CO 3	To study the effect of environmental factors of microorganisms

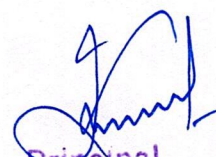
### Practical Course IV

After completion of this course, students will be able

CO 1	To study the techniques of bacteriology analysis of water.
CO 2	To understand the primary screening techniques of industrially important microorganisms.
CO 3	To study isolation and identification of pathogens



**HEAD**  
DEPARTMENT OF MICROBIOLOGY

**Principal**  
Yashwantrao Chavan College  
of Science, Karad.