

MCB 424 MICROBIAL PHYSIOLOGY & METABOLISM
(3Units) (L 15: P 45)

Dynamics of growth. Nutrition and energy metabolism of microorganisms. Effect of physical and chemical factors on growth. Biochemistry of various microbial processes such as transport, regulation and respiration. Biosynthesis of microbial products. Buffer preparation and standardization. Basic separation techniques in microbiology, dialysis, salting out, gel filtration, electrophoresis etc. Assay techniques for various metabolites including microbial enzymes, acids etc.