

M.V.R. DEGREE COLLEGE
(Affiliated to Andhra University)
An Institution of Priyadarshini Educational Academy)
NAAC ACCREDITED COLLEGE

Dr.V.Rama Rao, M.A.,Ph.D.,
Secretary & Correspondent

Dr.A.Balakrishna,M.Sc.,Ph.D.,
Principal

Department of Biotechnology
Bachelor of Science (B.Sc, MBBCBT, CBCBT, BCBTHG,)
APSCHE, Revised Syllabus of Biotechnology under CBCS Framework
w.e.f.2020-21 (revised in April 2020)
Course outcomes(COs) for Biotechnology

Code	Title of the paper	Outcomes
COURSE 101 (TH)	BIOMOLECULES AND ANALYTICAL TECHNIQUES	<p>CO1: To acquire knowledge on the principle basic concepts ,instrumentation , application ,types of spectrophotometry are studied and this knowledge is applied for estimation of biomolecules like DNA .proteins ,coloured solutions etc., .</p> <p>CO2: To learn about the principle ,mechanism, equipment and applications of separation of biomolecules,pigments etc... This knowledge is useful in isolating certain molecules in pure form .</p> <p>CO3: To learn about isotopic tracer techniques-how to calculate the measurement of radioactivity, different principle, advantages of instrumentation tecniques of TLC, ionic exchange and affinity chromatography etc.,</p> <p>CO4:To learn the basic principles ,concept and types of centrifuges to isolate cell components and determine molecular weight by sedimentation methods.</p> <p>CO5 :They can also learn about the design and types of spectrophotometer, Electrophoresis and microscopes.</p>
COURSE 101 (PR)	BIOMOLECULES AND ANALYTICAL TECHNIQUES	<p>CO1:Able to learn about molarity ,normality and molecular Hence ht of compounds.In which molarity can also be used to calculate the volume of solvent or amount of solute and normality is used to measure no.of ions in the given reaction.Hence normality offers more depth understanding of the solution concentration in acid-base reaction.</p> <p>CO2:Able to estimate DNA and RNA where DNA provides the code for the cell's activities,while RNA converts the code into proteins to carry out cellular function.</p>

Attested
[Signature]
PRINCIPAL
M.V.R. DEGREE COLLEGE
Shramika Nagar, Gajuwaka,
VISAKHAPATNAM - 530 026

