

**M.V.R. DEGREE COLLEGE**  
**(UG And PG Courses)**  
(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 Biochemistry**

**Bachelor of science**

**APSCHE, Revised Syllabus of Biochemistry under CBCS Framework**  
**w.e.f 2015-16(revised in April 2015)**

**Program specific outcomes (PSOs)**

PSO1	Bio-Chemistry focuses on experimental learning through custom designed laboratory experiments.
PSO2	Biochemistry is the study of mechanisms of the life at molecular level. Thus, knowledge of this subject has become an indispensable tool to biologists. It mainly deals with the reactions involved in the degradation of food substances which provide the energy required by organisms to survive .
PSO3	Some of the major topics covered as part of this subject are principles of chemistry and physics structures and function of macro molecules such as proteins, carbohydrates, lipids and nucleic acids ,enzymes and enzyme kinetics, biochemistry and function of micronutrients and vitamins and metabolism of carbohydrates, lipids and vitamins. In addition, molecular genetics, molecular cell biology and immunology are also covered.
PSO4	It is a multidisciplinary science that involves the application of scientific and engineering principles to enable processing of materials by biological agents, to provide an array of novel, value added products and tools. This subject covers areas such as cell biology, plant biotechnology, animal biotechnology, genetics, immunology, r-DNA technology, biostatistics, biophysics and biochemistry.
PSO5	Students are able to understand the synthesis of proteins,lipids,nucleic acids and carbohydrates and their role in metabolic pathways.
PSO6	Students shall be able to understand and correlate clinical pathology of individuals in different disease conditions



*Attested*  
*[Signature]*

PRINCIPAL  
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