



''बेटी बचाओ, बेटी पढ़ाओ''

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
Faculty of Physiotherapy & Diagnostics

Department Name : Physiotherapy
Program Name : BPT
Semester : I SEM
Course/Subject Name : Biochemistry
Teacher Name & Designation : Jv'n Seema Gangwar, LECTURER

Sr. No.	Course Outcome
1	Biochemistry, the study of chemical processes and substances that occur within living organisms, has numerous outcomes and applications. Here are some key outcomes in biochemistry: Understanding Life Processes: Biochemistry helps us understand the fundamental processes of life, including metabolism, cellular respiration, and DNA replication.
2	Drug Discovery: Biochemistry plays a crucial role in drug development by identifying and targeting specific molecules and pathways within the body, aiding in the creation of new medicines.
3	Disease Diagnosis: Biomarkers and biochemical tests are essential for diagnosing various diseases, such as diabetes, cancer, and heart disease.
4	Nutrition and Dietetics: Biochemical knowledge helps in understanding the nutritional needs of individuals and the effects of different diets on health.
5	Environmental Science: Biochemistry contributes to environmental science by studying the impact of pollutants on living organisms and developing bioremediation techniques to clean up contaminated environments.
6	Agriculture: Biochemistry is used in agriculture to develop genetically modified crops, study plant physiology, and improve crop yields.
7	Proteomics and Genomics: The fields of proteomics and genomics rely heavily on biochemistry to analyze and understand the structure and function of proteins and genes.
8	Medical Research: Biochemistry is at the forefront of medical research, contributing to breakthroughs in areas like stemcell therapy, regenerative medicine, and personalized medicine.
9	Bioinformatics: Biochemistry generates vast amounts of data, and bioinformatics combines biology and data science to analyze and interpret this information, aiding in research and drug discovery.
10	Education and Teaching: Biochemistry is a fundamental subject in the life sciences and is taught to students at various educational levels, contributing to the training of future scientists and healthcare professionals.