

Course Overview

Biochemistry I

Course code :	PMT302
Course title:	Biochemistry I
Level/semester:	Third Semester
PRECEDING COURSES	General Chemistry I
Credit hours:4	Theoretical: 3
	Practical: 2

CURRICULUM CONTENTS

Unit	Contents	Hours
Unit 1	Carbohydrates: 1- Definition. 2- Biological functions. 3- Classification.	9
Unit 2	Lipids: 1- Definition. 2- Biological functions. 3- Classification.	5
Unit 3	Amino acids and Proteins: 1- Definition. 2- Biological functions. 3- Classification.	9
Unit 4	Vitamins: 1- Definition. 2- Classification (Water and Fat soluble vitamins). 3- Members of each class as regards chemical nature, sources, daily requirement, biological function and abnormal conditions due to deficiency or toxicity.	5
Unit 5	Nucleotides and Nucleic acids: 1- Definition. 2- Classification of nitrogenous bases. 3- Biological functions of free nucleotides. 4- General structure and differences between DNA and RNA.	3
Unit 6	ENZMY	5

