



NAAC

Course outcomes

Name of the course: **Biochemistry**

Course Code: **BP203T**

Semester: **II**

Class: **---- B.Pharm I**

After completion of course students will be able to

CO	Course Outcomes
BP203TC01	Understand the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
BP203TC02	Explain the metabolism of nutrient molecules like carbohydrates and biological oxidation.
BP203TC03	Describe the metabolism of nutrient molecules like lipid and amino acid.
BP203TC04	Clarify the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
BP203TC05	Elaborate the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes

CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP203TCO1	3	1	3	2	2	3	2	2	3	1	3
BP203TCO2	3	1	1	2	2	3	2	1	3	2	3
BP203TCO3	3	1	1	2	-	1	2	2	3	2	3
BP203TCO4	3	3	2	3	1	3	2	3	3	1	3
BP203TCO5	3	2	3	3	2	2	2	2	2	2	3
Average	3	1.6	2	2.4	1.7	2.4	2	2	2.8	1.6	3
Average Roundup	3	2	2	2	2	2	2	2	3	2	3

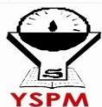
Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

HOD

Principal



CO-PO mapping Justification

Name of the course: **Biochemistry**

Course Code: **BP203T**

Semester: **II**

Class: **---- B.Pharm I**

CO No.	PO's Mapped	Level	Justification
BP203TCO1	PO1	3	Strongly mapped for pharmacy knowledge as the students will acquire the knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO2	1	Slightly mapped for planning ability development as the students will understand detailed knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO3	3	Strongly mapped for problem analysis as the students will understand detailed knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO4	2	Moderately mapped for modern tool usage as the students will acquire the knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO5	2	Moderately mapped for leadership skills as the students will acquire the knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO6	3	Strongly mapped for professional identity as the students will understand detailed knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO7	2	Moderately mapped for pharmaceutical ethics as the students will understand detailed knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO8	2	Moderately mapped for communication as the students will understand detailed knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO9	3	Strongly mapped for the role of Pharmacist for society as the students will understand detailed knowledge about the biological

			role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO10	1	Slightly mapped for environment and sustainability as the students will acquire the knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
	PO11	3	Strongly mapped for life long learning as the students will understand detailed knowledge about the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
BP203TCO2	PO1	3	Strongly mapped for pharmacy knowledge as the students will acquire the knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
	PO2	1	Slightly mapped for planning ability development as the students will understand detailed knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
	PO3	1	Slightly mapped for problem analysis as the students will acquire the knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
	PO4	2	Moderately mapped for modern tool usage as the students will understand detailed knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
	PO5	2	Moderately mapped for leadership skills as the students will acquire the knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
	PO6	3	Strongly mapped for professional identity as the students will acquire the knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
	PO7	2	Moderately mapped for pharmaceutical ethics as the students will understand detailed knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
	PO8	1	Slightly mapped for communication as the students will acquire the knowledge about qualitative analysis of normal and abnormal constitutes of urine and biological fluids like saliva.
	PO9	3	Strongly mapped the role of Pharmacist for society as the students will understand detailed knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
	PO10	2	Moderately mapped for environment and sustainability as the students will acquire the knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
	PO11	3	Strongly mapped for life long learning as the students will understand detailed knowledge about the metabolism of nutrient molecules like carbohydrates and biological oxidation.
BP203TCO3	PO1	3	Strongly mapped for pharmacy knowledge as the students will acquire the knowledge about the metabolism of nutrient molecules like lipid and amino acid.
	PO2	1	Slightly mapped for planning ability development as the students will understand detailed knowledge about the metabolism of nutrient molecules like lipid and amino acid.

	PO3	1	Slightly mapped for problem analysis as the students will acquire the knowledge about the metabolism of nutrient molecules like lipid and amino acid.
	PO4	2	Moderately mapped for modern tool usage as the students will understand detailed knowledge about the metabolism of nutrient molecules like lipid and amino acid.
	PO6	1	Slightly mapped for leadership skills as the students will acquire the knowledge about the metabolism of nutrient molecules like lipid and amino acid.
	PO7	2	Moderately mapped for professional identity as the students will acquire the knowledge about the metabolism of nutrient molecules like lipid and amino acid.
	PO8	2	Moderately mapped for pharmaceutical ethics as the students will understand detailed knowledge about the metabolism of nutrient molecules like lipid and amino acid.
	PO9	3	Strongly mapped for communication as the students will acquire the knowledge about the metabolism of nutrient molecules like lipid and amino acid.
	PO10	2	Moderately mapped the role of Pharmacist for society as the students will understand detailed knowledge about the metabolism of nutrient molecules like lipid and amino acid.
	PO11	3	Strongly mapped for environment and sustainability as the students will acquire the knowledge about the metabolism of nutrient molecules like lipid and amino acid.
BP203TCO4	PO1	3	Strongly mapped for life long learning as the students will acquire the knowledge about the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO2	3	Strongly mapped for pharmacy knowledge as the students will acquire the knowledge about the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO3	2	Moderately mapped for planning ability development as the students will understand detailed knowledge about the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO4	3	Strongly mapped for problem analysis as the students will understand detailed knowledge about qualitative analysis of carbohydrates and Proteins. the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO5	1	Slightly mapped for modern tool usage as the students will acquire the knowledge about the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO6	3	Strongly mapped for leadership skills as the students will acquire the knowledge about the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO7	2	Moderately mapped for professional identity as the students will understand detailed knowledge about the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO8	3	Strongly mapped for pharmaceutical ethics as the students will understand detailed knowledge about the genetic organization of

			mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO9	3	Strongly mapped for communication as the students will understand detailed knowledge about the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO10	1	Slightly mapped for the role of Pharmacist for society as the students will understand detailed knowledge the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
	PO11	3	Strongly mapped for environment and sustainability as the students will acquire the knowledge about the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
BP203TCO5	PO1	3	Strongly mapped for life long learning as the students will understand detailed knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes
	PO2	2	Moderately mapped for pharmacy knowledge as the students will acquire the knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes
	PO3	3	Strongly mapped for planning ability development as the students will understand detailed knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes
	PO4	3	Strongly mapped for problem analysis as the students will acquire the knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes
	PO6	2	Moderately mapped for modern tool usage as the students will understand detailed knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes
	PO7	2	Moderately mapped for leadership skills as the students will acquire the knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes
	PO8	2	Moderately mapped for professional identity as the students will acquire the knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes
	PO9	2	Moderately mapped for pharmaceutical ethics as the students will understand detailed knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes
	PO10	2	Moderately mapped for communication as the students will acquire the knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes
	PO11	3	Strongly mapped the role of Pharmacist for society as the students will understand detailed knowledge about the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes

Course co-ordinator

HOD

Principal