Year and Program F.Y.B.Pharm 2023-24	School of Pharmaceutical Sciences	Department:Pharmacy
Course Code:BP203T	CourseTitle: Pharmaceutical Biochemistry	Semester–II
Date: 27 MAY 2024 Day: Mon Time: 02:00PM To 05:00PM	Examination: End Semester	Max Marks:75

Instructions: 1) All questions are compulsory.
2)Draw a neat labeled diagram if necessary.

		Marks	Bloom's Level	CO
Q.1	**Objective Type Questions (10X2)**	**20**		
a)	Define Compitative and Non compitative inhibitors.	02	01	04
b)	Write the any two significance of gluconeogenesis.	02	01	02
c)	Define redox potential.	02	01	01
d)	What do you mean by Hyperbilirubinemia?	02	01	02
e)	What are the full form of NADPH,UTP,NADH,ATP	02	01	01
f)	Define and and classify carbohydrate with their function.	02	01	02
g)	What are energy rich compound and classify it?	02	01	02
h)	Name the enzyme present in DNA replication	02	01	03
i)	Write down synthesis of 5-HT from tryptophan	02	01	02
j)	Enlist hormone envolved in blood glucose homeostasis	02	02	02
Q.2	**Long Answers(Answer 2 out of 3)**	**20**		
a)	ExplainEmbden–Meyerhof–Parnas (EMP)pathway. Give the energetics,regulation and significance	10	02	02
b)	Describe the biosynthesis of purine nucleotide	10	02	02
c)	Explain the factor affecting enzyme & derive michaelis plot	10	01	04

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Q3	Short Answers(Answer7 out of 9)	35	Bloom's Level	CO
a)	Write short note on formation and utilization of ketone bodies	05	01	02
b)	Discuss the urea cycle in detail	05	02	02
c)	Differentiate between endergonic and exergonic reaction	05	02	01
d)	Discusss kreb cycle with its energetics	05	02	02
e)	Write note on glycogen storage disease	05	01	02
f)	Write about electron transport chain with its mechanism	05	01	01
g)	Define and classify enzyme with IUB system with its therapeutic and diagnostic application.	05	01	04
h)	Explain biosynthesis and significance of . catacholamine	05	02	02
i)	Describe structure of DNA and RNA with their function . note on Transcription	05	02	03

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