



PAPER ID-311872

Printed Page: 1 of 1
Subject Code: BP203T

Roll No:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

BPHARM
(SEM II) THEORY EXAMINATION 2023-24
BIOCHEMISTRY

TIME: 3HRS**M.MARKS: 75**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A**1. Attempt all questions in brief.****10 x 2 = 20**

a.	Differentiate holoprotein and apoprotein with example.
b.	Define mutarotation with an example.
c.	Enlist any two diseases associated with glycogen metabolism.
d.	Draw the structure of carnitine with its importance.
e.	Define active and allosteric sites.
f.	Draw the synthetic reactions of adrenaline and noradrenaline.
g.	Write about the electron transport chain.
h.	Differentiate between codon and anticodon.
i.	Define the term ketonuria.
j.	Draw Haworth projection structure of glucose.

SECTION B**2. Attempt any two parts of the following:****2 x 10 = 20**

a.	Discuss in detail about β - oxidation of fatty acids with significance.
b.	Draw the pathway of glycolysis and its energetics.
c.	Explain the process of DNA replication in detail.

SECTION C**3. Attempt any five parts of the following:****7 x 5 = 35**

a.	Describe enzyme kinetics with Michaelis Menton plot.
b.	What do you understand by the urea cycle and its disorders?
c.	Explain biomolecules. Write types and biological role of biomolecules.
d.	Write glycogen metabolism pathway with its disorders.
e.	Give brief detail about the transcription process.
f.	Discuss general reactions of amino acid metabolism.
g.	Describe disorders of lipid metabolism.