Sub Code:BP203T

Paper Id: 910024 Roll No:

B. PHARM
(SEM-II) THEORY EXAMINATION, 2019-20
BIOCHEMISTRY

Time: 3 Hours ***Total 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.	Define electron tranport chain?
b.	Define free energy?
c.	What is hyperbilirubinemia?
d.	Define redox potential?
e.	What is jaundice?
f.	Define vitamin D?
g.	What are the full form of NADH,ATP,TPP,UDP.UTP,NADPH?
h.	Define gout?
i.	Draw the structure of ATP?
j.	Define cholestrol?

SECTION B

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

a.	Write the classification of protein?
b.	Write the pathway of glycolysis and its energitics?
c.	Define lipids with its classification?

SECTION C

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

a.	Define enzyme kinetics and write down the properties of enzymes?
b.	Write the structure of DNA and RNA?
c.	Write a note on conversion of cholestrol into bile acid and its role?
d.	Write a short note on i).Genetic code ii).Hypercholesterolemia
e.	Describe Coenzyme with its structure and biological function?
f.	Write glycogen metabolism pathway ?
g.	Write the biosynthesis of ketone bodies and their utilization?

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