School of Basic and Applied Sciences

BioScience

ETE - Jun 2023

Time : 3 Hours **Marks : 50**

Sem II - MBACNT2002 / MBANDT2003

Nutritional Biochemistry

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1.	Define Glycogenolysis.	K1 CO1	(2)
2.	Define transcription and translation.	K2 CO4	(2)
3.	List the sources of fatty acid for oxidation.	K1 CO3	(2)
4.	Define transamination.	K2 CO2	(2)
5.	Define Coenzymes.	K2 CO5	(2)
6.	Explain transamination and deamination with example.	K3 CO2	(5)
7.	Discuss functions and deficiency symptoms of sodium.	K4 CO6	(6)
8.	Summarize minor pathways of fatty acid oxidation.	K3 CO3	(5)
9.	Explain enzyme inhibitors.	K4 CO5	(8)
10.	Explain Diabetes mellitus, its symptoms and changes in metabolism.	K3 CO1	(8)
11.	With suitable diagram explain the process of DNA replication? Also enlist the role of different enzymes involved in DNA replication?	K4 CO4	(8)