

Model Question Paper-2 with effect from 2019-20 (CBCS Scheme)

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**Fourth Semester B.E. Degree Examination
Clinical Biochemistry 18BT46**

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	Marks
Q.01	a	Write the reaction steps involved in Glycolysis pathway.	L1	10
	b	Give an account on regulatory enzymes and balance sheet of glycolytic pathway	L1 L2	05
	c	Distinguish between phospholipids and glycolipids	L1 L2	05
OR				
Q.02	a	Write the reactions of polysaccharide biosynthesis taking any on as example.	L1 L2	10
	b	Write the reactions of cholesterol biosynthesis.	L1	06
	c	Write a note on regulation of TCA cycle.	L1 L2	04
Module-2				
Q. 03	a	Discuss in detail about Glycogen Storage Diseases.	L2	10
	b	Write a note on types of glucose tolerance tests.	L2 L3	05
	c	Give an account on diabetes mellitus.	L2 L3	05
OR				
Q.04	a	Write a note on Sphingolipidosis and other lipid storage diseases.	L2 L3	08
	b	Discuss about diagnostic tests for HDL, LDL and other triglycerides.	L3 L4	07
	c	Write a note on ketone bodies.	L1 L2	05
Module-3				
Q. 05	a	Write about catabolism of essential amino acids.	L1 L2	08
	b	Explain the reactions involved in Urea cycle.	L1 L2	07
	c	Give an account on regulation of Amino acid metabolism.	L2 L3	05
OR				
Q. 06	a	Write about metabolism of purines.	L2 L3	08
	b	Discuss the regulation in metabolism of pyrimidines.	L2 L3	06
	c	Write about biosynthesis of phenylalanine.	L1 L2	06
Module-4				
Q. 07	a	Explain with examples the disorders of Amino acid metabolism.	L3 L4	07
	b	Discuss with examples the pituitary gland hormones.	L2 L3	07
	c	Write a note on Thyroid hormones and functions.	L3 L4	06
OR				
Q. 08	a	With examples discuss the disorders of nucleic acid metabolism.	L2 L3	08
	b	Write note on Steroid hormones.	L2 L3	07
	c	Write a note on adrenocorticosteroids.	L2 L3	05
Module-5				
Q. 09	a	Write a note on clinical significance of Creatine kinase and LDH.	L4 L5	08
	b	Write a note on clinical significance of Aspartate aminotransferase and Alanine aminotrasferase	L4 L5	07
	c	Give an account on Clinical importance of bilirubin.	L4 L5	05
OR				
Q. 10	a	Write about clinical importance of diagnostic enzymes.	L4 L5	08
	b	Give an account on enzymes of pancreatic and hepatic origin.	L3 L4	07
	c	Write a general account on Diagnostic enzymes	L4 L5	05