

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: BMLT
BRANCH: BMLT

SEMESTER : IVth
SESSION : SP/2025

SUBJECT: BMT205 CLINICAL CHEMISTRY I

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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		CO	BL
Q.1(a)	Explain Fluid mosaic model of cell membrane with diagram.	[5] 1	2
Q.1(b)	Enlist high and low energy compound and discuss ATP & ADP cycle.	[5] 1	2
Q.2(a)	Discuss all major classes of an Enzyme.	[5] 2	3
Q.2(b)	Differentiate reversible inhibition of enzymes.	[5] 2	4
Q.3(a)	Demonstrate Kreb's cycle with its energetics.	[5] 3	3
Q.3(b)	Explain Diabetes mellitus and its lab diagnosis.	[5] 3	2
Q.4(a)	Explain all the steps involved in β -oxidation of 10 carbon long fatty acid with energetics.	[5] 4	3
Q.4(b)	Differentiate various types and function of Lipoproteins.	[5] 4	4
Q.5(a)	Differentiate all types of RNA	[5] 5	4
Q.5(b)	Discuss the urea cycle with reactions	[5] 5	2

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