

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2024)

CLASS: B.Sc MLT
BRANCH: MLT

SEMESTER : V
SESSION : MO/2024

SUBJECT: BMT5101 CLINICAL CHEMISTRY III

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
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			CO	BL
Q.1(a)	Define detoxification. Enlist types and phases of detoxification.	[2]	CO1	BL1
Q.1(b)	Discuss various types of detoxifications.	[3]	CO1	BL2
Q.2(a)	Differentiate cytochrome P450 family enzymes and other enzymes.	[2]	CO1	BL3
Q.2(b)	Discuss enzymatic transformation phase of detoxification	[3]	CO1	BL2
Q.3(a)	How deproteinization of blood is carried out?	[2]	CO2	BL3
Q.3(b)	Enlist various methods of blood glucose determination. Mention normal range of serum amylase and acid phosphatase.	[3]	CO2	BL2
Q.4(a)	Write principle of Folin Wu's method.	[2]	CO2	BL2
Q.4(b)	Discuss estimation of serum cholesterol.	[3]	CO2	BL2
Q.5(a)	Define antimetabolites. Mention any two cancer drug antimetabolites.	[2]	CO3	BL1
Q.5(b)	Discuss application of antimetabolites in cancer treatment.	[3]	CO3	BL2

:::18/09/2024:::E