

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

CLASS: B. TECH
BRANCH: BIOTECH

SEMESTER: III
SESSION: MO/2022

SUBJECT: BE204 BIOCHEMISTRY AND ENZYME TECHNOLOGY

TIME: 2 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 25.
 2. Candidates attempt for all 25 marks.
 3. Before attempting the question paper, be sure that you have got the correct question paper.
 4. The missing data, if any, may be assumed suitably.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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		CO	BL
Q1 (a) Provide an insight on RNA?	[2]	CO 1	1
Q1 (b) Illustrate the significance of disaccharides?	[3]	CO 3	2
Q2 (a) Explain the role of biological membrane?	[2]	CO 2	2,3
Q2 (b) Mention the role of derived lipids?	[3]	CO 4	1,3
Q3 (a) Examine the importance of Chargaff's rule?	[2]	CO 1,2	3
Q3 (b) Elucidate the different levels of protein structure?	[3]	Co 3	6
Q4 (a) Define the metabolism?	[1]	CO 1	1
Q4 (b) Explain the role of beta-oxidation?	[2]	CO 3, 4	4,5
Q4 (c) Illustrate the significance Electron Transport Chain?	[2]	CO 6	5,6
Q5 (a) Analyze the regulation of carbohydrate metabolism?	[2]	CO 4	3,4
Q5 (b) Evaluate the role of enzymes involved in glycolysis and gluconeogenesis?	[3]	CO 3,4, 6	6

:::::: 29/09/2022 :::::M