

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

CLASS: BHMCT
BRANCH: BHMCT

SEMESTER : I
SESSION : MO/2022

SUBJECT: HM101 FOOD SCIENCE NUTRITION

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)	Enlist the biological importance of glycolysis.	[5] 1	1
Q.1(b)	Describe the steps of glycolysis.	[5] 1	2
Q.2(a)	Describe secondary structure of protein.	[5] 2	2
Q.2(b)	Classify protein based on composition and solubility.	[5] 2	3
Q.3(a)	Enumerate the physical properties of lipids.	[5] 3	2
Q.3(b)	Enumerate the chemical properties of lipids.	[5] 3	2
Q.4(a)	State the chemistry and functions of Vitamin C.	[5] 4	1
Q.4(b)	State the chemistry, functions, and deficiency symptoms of riboflavin	[5] 4	1
Q.5(a)	Explain microbial growth kinetics.	[5] 5	2
Q.5(b)	Elaborate how environmental factors influences microbial growth.	[5] 5	2

::::::15/03/2023::::::M