

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

CLASS: BHMCT  
BRANCH: HMCT

SEMESTER: I  
SESSION: MO/2022

SUBJECT: HM101 FOOD SCIENCE NUTRITION

TIME: 2 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 carbohydrate.	[2] 1	1
Q.1(b)	Classify derived carbohydrate with examples	[3] 1	3
Q.2(a)	Why are monosaccharides reducing sugar?	[2] 1	3
Q.2(b)	Define epimers and draw the structural formulas of C2 & C4 epimers with examples.	[3] 1	1
Q.3(a)	Draw the structure of peptide bond and enlist its properties.	[2] 2	1
Q.3(b)	Classify conjugated proteins.	[3] 2	3
Q.4(a)	Define motifs and domains	[2] 2	1
Q.4(b)	Classify protein based on its biological functions.	[3] 2	3
Q.5(a)	Define fatty acid and draw its structure.	[2] 3	1
Q.5(b)	Classify fatty acid.	[3] 3	3

::::: 16/01/2023 :::::M