

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

CLASS: BHMCT
BRANCH: HMCT

SEMESTER: I
SESSION: MO/2018

SUBJECT: HM101 FOOD SCIENCE NUTRITION

TIME: 2 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 25.
 2. Candidates may 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.
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- Q1. (a) Define glycosides. [2]
Q1. (b) Explain carbonyl group of monosaccharide with structural formula. [3]
- Q2. (a) Distinguish between aerobic and anaerobic glycolysis. [2]
Q2. (b) Define glycolysis. Write in tabular form total energy production of glycolysis. [3]
- Q3. (a) Draw the structure of amino acid. [2]
Q3. (b) Distinguish between Motifs and Domains. [3]
- Q4. (a) What is protein folding. [2]
Q4. (b) Distinguish between globular and fibrous protein. [3]
- Q5. (a) Define fatty acids and draw its structure. [2]
Q5. (b) Enlist the physical properties of fatty acids. [3]

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