

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

**CLASS: ISc**  
**BRANCH: ISc**

**SEMESTER: IV**  
**SESSION : SP/2020**

**SUBJECT : FT210 FOOD BIOCHEMISTRY AND HUMAN 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.
  5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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Q1	(a) Classify different types of health and explain it.	[2]	1
Q1	(b) Distinguish between nutrition and nutrients.	[3]	1
Q2	(a) Outline the uses of RDA.	[2]	1
Q2	(b) Demonstrate the factors affecting energy requirements.	[3]	1
Q3	(a) Define glycolysis and state the site of its occurrence.	[2]	2
Q3	(b) Describe any two functional oligosaccharides.	[3]	2
Q4	(a) Define prebiotics.	[2]	2
Q4	(b) Explain the condition of hyperglycemia.	[3]	2
Q5	(a) State the physical property of fatty acid based on water solubility.	[2]	3
Q5	(b) Describe the chemical properties of fatty acids.	[3]	3

::: 27/02/2020 :::E