

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(MID SEMESTER EXAMINATION MO/SP2023)

CLASS: BTECH  
BRANCH: FOOD TECHNOLOGY

SEMESTER : V  
SESSION : MO2025

SUBJECT: FE305 BIOCHEMISTRY & HUMAN NUTRITION

TIME: 02 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
- 

		CO	BL
Q.1(a)	Classify biomolecules	[2] 1	4
Q.1(b)	Determine how RDA is derived?	[3] 1	4
Q.2(a)	Define non caloric role of fat.	[2] 1	1
Q.2(b)	Enlist the functions of fats and dietary sources of fatty acids.	[3] 1	2
Q.3(a)	Evaluate the method of assessment of protein nutritional status.	[2] 2	2
Q.3(b)	Elaborate the digestion process, mentioning the name of the enzymes and their action.	[3] 2	2
Q.4(a)	Point out the symptoms of diabetes mellitus	[2] 2	4
Q.4(b)	Define carbohydrates & classify it with examples.	[3] 2	3
Q.5(a)	Distinguish between Net Protein Utilization and Net Protein Ratio.	[2] 3	1
Q.5(b)	Determine amino acid score method of evaluating protein quality.	[3] 3	2

:::::19/09/2025:::::M