

Roll No:

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M.Sc. Biochemistry, Semester-III Examination-2023
Paper Title: Nutritional Biochemistry
Paper Code: MBC- 304

Time: 1.5 hours

Max Marks: 37

Note: This paper has 3 sections A, B, and C, Attempt all the three sections

Section A: Answer all the questions; Section B: Answer any 1 out of 2; Section C: Answer all the questions, each question has an internal choice

Abbreviations Used

CLO- Course Learning Outcome, PLO- Program Learning Outcome, BTL- Bloom Taxonomy Level: BT level 1-Remember; BT level 2-Understand; BT level 3-Apply; BT level 4-Analyse; BT level 5-Evaluate, BT level 6-Create

Section A (Attempt all questions)

(1X7=07 Marks)

Q. No.	Questions	BTL	CLO	PLO
a	Define EAR	1	3	4
b	RMR is explained as	1	3	4
c	Morbid obesity is defined as	2	4	7
d	BMI is defined as	5	3	8
e	Describe the term Nutrigenomics	4	5	2
f	Enlist two antinutrients	4	5	3
g	Explain the term empty calories	2	5	3

SECTION B: Long type Questions (Attempt ANY ONE out of two) [15 Marks]

Q. No	Questions (Any One)	BTL	CLO	PLO
1	What do you understand by the term "balanced diet". Discuss the principles of planning a balanced diet for an adult male business executive.	2	3	2
2	Discuss the food sources and deficiency disorders of Vitamin A, Vitamin C and Vitamin B12	2	5	5

SECTION C: Short-type Questions. (Attempt all questions, each question has an internal choice)

[5x3=15 Marks]

Q. No	Questions	BTL	CLO	PLO
1	Describe atherosclerosis. Discuss the role of dietary fat and the series of events that lead to the development of Atherosclerosis in an individual.	4	3	6
	OR Write a note on obesity	2	3	3
2	Describe the salient features of Kwashiorkor and Marasmus in children	1	4	3
	OR Why is water considered to be an essential nutrient. Discuss the functions and importance of water in the diet	3	3	3
3	What do you understand by BMR. Enlist the various factors that influence the BMR of an individual	3	4	4
	OR What is a dietary fibre. Enlist five potential health benefits of this food category. Discuss the major drawbacks of a diet rich in fibre.	5	3	3
