



VIT

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

REG.NO.:

SCHOOL OF BIOSCIENCES AND TECHNOLOGY
CONTINUOUS ASSESSMENT TEST - II
FALL SEMESTER 2024-2025

SLOT:E1+TE1

Programme Name & Branch : M.Sc Integrated Biotechnology
Course Code and Course Name : TBIT204L ; Food Nutrition and Health
Faculty Name(s) : Dr.V.Subhashree ,Dr.Priyankar Sen
Class Number(s) : 4127;5399
Date of Examination : 16.10.2024
Exam Duration : 90 minutes **Maximum Marks: 50**

General instruction(s):

- Answer All Questions
- M - Max mark; CO – Course Outcome;
- BL – Blooms Taxonomy Level (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)
- Course Outcomes
- 2. Outline adverse effects of inadequate intake of nutrients.
- 3. Formulate healthy diets to prevent life style diseases and nutritional deficiencies.
- 4. Analyze nutritional status at individual and community level using different methods

Q. No	Question	M	CO	BL
1.	What is Protein Digestibility-Corrected Amino Acid Score (PDCAAS)? PDCAAS for whey protein is almost 1.0, while it is 0.6 for cooked beans. Compare the food quality of whey protein and cooked beans.	10	2	1
2.	A cup of whole milk that has 11 grams (g) carbohydrate, 8 g protein, and 8 g fat. What will be the calorific values by bomb calorimeter and physiological energy calculation? Explain the reason of the difference between two.	10	4	4
3.	Whether following statement are logical, explain with reason A. A newborn should be given honey. B. Colostrum is a waste. C. A newborn can digest cow milk. D. Calculate BMI if an individual weighs 70 Kgs and has a height of 1.65m. Identify the category of BMI and explain.	10	4	2
4.	Relate the physiological changes that occur in body's system with aging? To what extent aging can be prevented?	10	3	3
5.	Examine why are solid foods not recommended during the first few months of life? What criteria could be used in selecting an infant formula?	10	3	4
