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M.Sc (Food Technology) EL-II (2017 Batch) (Sem.-3)

Subject Code : MSFT-616

Paper ID : [75583]

Max. Marks : 60

1. **SECTION-A** contains **SIX** questions carrying **TWO** marks each and students has to attempt any **ALL** questions.
2. **SECTIONS-B** consists of **FOUR** Subsections : Units-I, II, III & IV. Each Subsection contains **TWO** questions each carrying **TWELVE** marks each and student has to attempt any **ONE** question from each Subsection.

Q1

- What are the harmful effects of overnutrition?
- Define 'disaccharides'. Give example
- What do you understand by denaturation of protein?
- Define biological value of protein.
- What do you understand by basal metabolic rate?
- Enlist the water soluble vitamins.

UNIT-I

- Q2 Define malnutrition. Discuss the problems due to malnutrition and its preventive measures.
- Q3 What are the ICMR standards for health and nutrition? Write their importance and significance in combating the health related issues.

UNIT-II

- Q4 Define carbohydrates. Explain the chemical and physical properties of carbohydrates.
- Q5 What do you understand by Basal Metabolic Rate (BMR)? Discuss in details about the Significance and factors affecting BMR.

UNIT-III

- Q6 What do you mean by essential and non-essential amino acids? Discuss the classification and functions of proteins.
- Q7 Write short notes on :
- a) Functions of minerals.
 - b) Vitamin toxicity.

UNIT-IV

- Q8 Discuss in detail about the drug food interactions and effect of drugs on food intake and nutrient absorption.
- Q9 Define Body Mass Index (BMI). Write its significance in human health and how it is calculated?