

**Assessment 1**

**Total Marks 30**

**Question 1 Multiple Choice Questions:**

**(05)**

- i. Nutrition is the process of consuming, absorbing and:
  - a) storing nutrients
  - b) using nutrients
  - c) losing nutrients
  
- ii. Proteins are involved in:
  - a) a range of biochemical reactions
  - b) maintaining ionic balances in the body
  - c) growth, repair and general maintenance of the body
  
- iii. Vitamins are important for:
  - a) a range of biochemical reactions
  - b) providing energy to the body
  - c) growth and repair of the body
  
- iv. An excess of only 200 calories per day for 10 days is likely to result in a weight gain of nearly:
  - a) 0.5 pounds
  - b) 1 pound
  - c) 2 pounds
  
- v. One Kcal is approximately:
  - a) 5.2 KJ
  - b) 4.2 KJ
  - c) 6.2 KJ
  
- vi. People maintain a stable weight when their total energy intake balances their:
  - a) total energy expenditure (TEE)
  - b) basal metabolic rate (BMR)
  - c) reference energy intake (REI)

## An Overview of Nutrition

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- vii. Which of the followings BMI is considered healthy?
- a) 30-35
  - b) 35-40
  - c) 18.5-25
- viii. When we are in energy balance, we:
- a) put on weight
  - b) lose weight
  - c) retain the same weight
- ix. BMI between 30-35 is considered:
- a) normal
  - b) overweight
  - c) obese
- x. The formula for calculating BMI is:
- a) BMI= weight x height
  - b) BMI= weight/kg
  - c) Height/m
  - d) BMI = weight/kg
  - e) Height/m<sup>2</sup>

### Q: 2: Short Questions

(18)

#### Each part carries equal marks

- i. The energy requirements are different for different people. Why?
- ii. What is BMI, and how can it be calculated?
- iii. Define whole foods, and also describe their importance in our diet.
- iv. What are refined foods? Are they nutritious? If not why?
- v. What is basal metabolic rate? What is the difference between total energy expenditure (TEE) and Basal Metabolic Rate (BMR)?
- vi. What are micro-nutrients? Why does our body need them?

### Case Study

(7)

Lucy (32) is a fairly active young woman, who works out in the gym several days a week. She has a stressful job. Her diet intake record also shows that her diet is healthy and balanced. Her BMI falls within the ideal range but her skin is very dry, and most of the time she feels tired and fatigued. She has been taking good care of herself and her diet, and takes appropriate rest also, but is greatly worried about these problems. Most of the time she does not feel fresh and is not enjoying her quality of life.

Questions:

- 1) The reason for Lucy's dry skin seems that:
  - a) she is not taking proper amount of vegetables in her diet
  - b) she is not taking proper exercise
  - c) she is not drinking enough water
  
- 2) The reason for Lucy's tiredness could be:
  - a) her stressful job
  - b) her physical activity
  - c) dehydration
  
- 3) What could be the best dietary advice for Lucy?
  - a) She should take multivitamin supplement
  - b) She should take more rest
  - c) She should drink 6-8 glasses of water daily