

**B.Sc. FOOD SCIENCE & TECHNOLOGY
FIRST SEMESTER
BIOCHEMISTRY & NUTRITION
BFST-103**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

Time: 15 mins.

(Objective)

Marks: 10

Choose the correct answer from the following:

1×10=10

1. Anti-diuretic hormone (ADH) is also known as:
a. Insulin
b. Vasopressin
c. Glucagon
d. Cortisol
2. Gluconeogenesis is the formation of glucose fromsources.
a. Carbohydrate
b. Protein
c. Non-carbohydrate
d. Both b and c
3. Diabetes mellitus is a condition characterized by:
a. Hypoglycemia
b. Hyperglycemia
c. Proteolysis
d. All of these
4. Which sweetener is considered as natural sweetener?
a. Aspartame
b. Saccharin
c. Steviol
d. None of these
5. Calorie was introduced by:
a. Nicolas Clement
b. USDA
c. ICMR
d. FDA
6. In which year "Eating Right Pyramid" was introduced?
a. 1991
b. 1992
c. 1993
d. 1994
7. How many Kilocalories (Kcal) do lipids provide?
a. 2
b. 4
c. 9
d. 10
8. Omega-6 is also known asacid.
a. Linoleic
b. Alpha linolenic
c. EPA
d. DHA
9. In which part of the Islets of Langerhans, insulin is produced?
a. Alpha cells
b. Beta cells
c. Delta cells
d. All of these

10. Which hormone is known as "hunger hormone"?

a. Ghrelin

b. Leptin

c. Somatostatin

d. Insulin

(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. Discuss about the electrolyte and fluid balance in the human body. | 5 |
| 2. Describe the metabolism of carbohydrates. | 10 |
| 3. Explain the functions of vitamins and minerals. | 5+5=10 |
| 4. Describe the importance of fatty acids on human health. | 10 |
| 5. Write short notes on: | 2,5×4=10 |
| a) Dietary fibre | |
| b) Quality of protein | |
| c) Functions of nutrients | |
| d) Obesity | |

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