

- Q.18 Write a short note on "Nutrition"?
- Q.19 Difference between fats and oils?
- Q.20 Define Vitamins? And explain their importance?
- Q.21 Write a short note on "Carotenoids"?
- Q.22 Define water activity? And discuss importance of water activity?

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Define Carbohydrates? Write their sources and functions in detail?
- Q.24 Define food pigments? Explain sources and functions of various food pigments?
- Q.25 Define minerals? Explain various minerals and their importance in daily life?

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### 2nd Sem. / Food Technology

### Subject : Food Chemistry and Nutrition

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which of the following components are major nutrients in our food?
- a) Carbohydrates
  - b) Lipids and Proteins
  - c) Vitamins and Minerals
  - d) All of the above
- Q.2 Which of the following food components given energy to our body?
- a) Carbohydrates
  - b) Vitamins
  - c) Minerals
  - d) Proteins

Q.3 Which of the following food products are the best sources of animal proteins?

- a) Milk                                      b) Egg
- c) Cheese                                      d) All of the above

Q.4 The most significant and essential mineral required for our body is \_\_\_\_\_.

- a) Iron                                      b) Sodium
- c) Calcium                                      d) All of the above

Q.5 Which of the following vitamin helps in blood clotting?

- a) Vitamin A                                      b) Vitamin K
- c) Vitamin D                                      d) Vitamin C

Q.6 Define the term 'balanced diet'?

- a) A diet containing some nutrients in the correct proportions
- b) A diet containing most nutrients in the correct proportions.
- c) A diet containing none nutrients in the correct proportions.
- d) A diet containing all nutrients in the correct proportions

## SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Red color of tomato is due to \_\_\_\_\_.

Q.8 Vitamin D is also known as \_\_\_\_\_.

Q.9 What is the range of pH?

Q.10 Goiter is deficiency disease of Iron. (True/False)

Q.11 Name water soluble vitamins?

Q.12 Full form of PUFA.

## SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Draw neat and clean structure of water molecule and formula of moisture content?

Q.14 Define free water and bound water?

Q.15 Explain functions of fats?

Q.16 What are the deficiency disorder of Protein and Vitamins?

Q.17 Write a short note on sources and functions of "Vitamin C"?