

- Q.24 Define water? Explain functions of water?
 - Q.25 Explain composition and classification of carbohydrates?
 - Q.26 Define Enzymes and their classification?
 - Q.27 Explain functions of Calcium?
 - Q.28 Define food pigments and their importance?
 - Q.29 Explain relationship between health and nutrition?
 - Q.30 Define fats? Write sources of fats?
 - Q.31 What is the importance and sources of different plant pigments?
 - Q.32 What are food additives? Give example of some important food additives with their function?
 - Q.33 Explain the function of iron and zinc?
 - Q.34 Classify Carbohydrates?
 - Q.35 Explain briefly "Colloidal Chemistry"?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Define water activity? And discuss importance of water activity?

Q.37 Classify vitamins? Explain fat soluble vitamin in detail?

Q.38 Define proteins? Write their sources and importance?

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3rd Sem / Food Technology
Subject:- Food Chemistry and Nutrition

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which of the following food components does not give energy to our body?

 - a) Carbohydrates
 - b) Vitamins
 - c) Minerals
 - d) Proteins

Q.2 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.3 The most significant and essential mineral required for our body is _____.

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

Q.4 Which of the following vitamin helps in blood clotting?

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

Q.5 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.

Q.6 Which of the given food items is rich in plant proteins?

- a) Cheese b) Milk
c) Legumes d) Egg

Q.7 Fats are composed of:

- a) Oxygen, nitrogen, and hydrogen
 - b) carbon, sulphur, and hydrogen
 - c) carbon , hydrogen, and oxygen
 - d) carbon , sulphur, and nitrogen

Q.8 Which of the following minerals controls growth and body weight?

- a) Iodine b) Calcium
c) Phosphorous d) All of the above

Q.9 Which of the following statements is true about proteins?

- a) Proteins are made up of amino acids .
 - b) Proteins are essential for the development of skin , teeth and bones .
 - c) Proteins is the only nutrient that can build , repair and maintain body tissues.
 - d) All of the above

Q.10 Which of the following food components does not provide any nutrients?

- a) Milk
 - b) Water
 - c) Fruit juice
 - d) Vegetable soup

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Name three macro chemical components of food?

Q.12 Which chemical found in food is called a "universal solvent"?

Q.13 Kwashiorkor is a deficiency disease of Protein.
(True/False)

Q.14 What is the symbol of water activity?

O.15 Full form of MUFA.

Q.16 Name two rich source of vitamin C.

O.17 Vitamin D is also known as

O.18 What is the range of pH?

Q 19 Goiter is deficiency disease

Q 20 Name water soluble vitamins?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Write a short note on "Malnutrition"?

Q.22 Define balanced diet? And what is the role of balanced diet in daily life?

Q.23 Explain Food Guide Pyramid?