

- 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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Roll No.

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 given 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 diet containing some nutrients in the correct proportions.
 - A diet containing most nutrients in the correct proportions.
 - A diet containing none nutrients in the correct proportions.
 - A diet containing all nutrients in the correct proportions.
- Q.6 Which of the given food items is rich in plant proteins?
- Cheese
 - Milk
 - Legumes
 - Egg
- Q.7 Fats are composed of:
- Oxygen, nitrogen, and hydrogen
 - carbon, sulphur, and hydrogen
 - carbon, hydrogen, and oxygen
 - carbon, sulphur, and nitrogen
- Q.8 Which of the following minerals controls growth and body weight?
- Iodine
 - Calcium
 - Phosphorous
 - All of the above
- Q.9 Which of the following statements is true about proteins?
- Proteins are made up of amino acids.
 - Proteins are essential for the development of skin, teeth and bones.
 - Proteins is the only nutrient that can build, repair and maintain body tissues.
 - All of the above

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- Q.10 Which of the following food components does not provide any nutrients?
- Milk
 - Water
 - Fruit juice
 - 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?
- Q.15 Full form of MUFA.
- Q.16 Name two rich source of vitamin C.
- Q.17 Vitamin D is also known as _____.
- Q.18 What is the range of pH?
- Q.19 Goiter is deficiency disease of Iron. (True/False)
- 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?

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