

B. Sc. (Food Technology) (First Semester)
Examination, 2017-18
Paper Fifth
BSFT - 505
[Basic Nutrition]

Time : Three Hours]

[Maximum Marks : 60

Note : Attempt all questions.

Section — A

1. Multiple choice questions.

- (i) Vitamin K naturally occurs as _____ of animal tissues, intestinal bacteria and other micro-organisms.
(a) Phylloquinone (b) Menaquinone
(c) Napthoquinone (d) Cystoquinone
- (ii) Vitamin E favour the absorptions of :
(a) Calcium (b) Phosphorous
(c) Iron (d) Both a and b
- (iii) Chromium is required for
(a) Protein metabolism (b) Glucose metabolism
(c) Fatty acid metabolism (d) All of these
- (iv) RDA stands for
(a) Regional Dietary Advisor
(b) Recommended Dietary Allowances
(c) Regional Drug Administrator
(d) Recent Dietary Advancement
- (v) BMI stands for :
(a) Basal metabolic index
(b) Body mass index
(c) Body metabolism information
(d) Biotin metabolic index
- (vi) The Egg white is rich in
(a) Carbohydrates (b) Minerals
(c) Proteins (d) Fats
- (vii) What is the RDA per day for vitamin C?
(a) 40 mg (b) 50 mg
(c) 60 mg (d) 70 mg

- (viii) Honey contains which of the following sugar :
- (a) Levulose (b) Fructose
(c) Both a and b (d) None
- (ix) DHA is :
- (a) Docosahexaenoic acid (b) Docosahexanoic acid
(c) Docosaheptanoic acid (d) Docosaheptanoic acid
- (x) Which form of agar have gelling property?
- (a) Agarose (b) Agaropectin
(c) Both a and b (d) Neither a nor b

Section — B

2. Write short notes on any five. Each carries 4 marks.
- (a) Balanced diet
(b) Caramelization
(c) Maillard Reaction
(d) Biological value
(e) Kwashiorkor
(f) Marasmus
(g) Classification of Carbohydrates

Section — C

Note : Attempt any three questions. Each carries 10 marks.

3. Define food. Give the five food groups and explain the functions of food.
4. Explain the effect of processing on carbohydrates.
5. What do you understand by MUFA and PUFA? Explain the factors affecting fat absorption.
6. Explain the functions of water. What will be the effect of hard and soft water on cooking? Explain.
7. Write the functions, sources, and diseases associated with deficiency of vitamins and minerals.