



KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Agriculture 2015 & Previous Admissions
IV Semester Final Examination-August 2017

Hmsc. 2201

Food and Nutrition (1+1)

Marks: 50
Time: 2 hours

I Fill in the blanks:

(10 x 1=10)

- 1 ----- is a skin disorder caused due to deficiency of fat.
- 2 Khesari dhal contains ----- toxic compound.
- 3 ----- nutrient helps in the absorption of iron.

Answer in one word:

- 4 Name the vitamin important for blood coagulation.
- 5 RDA of iron for an adolescent girl (10- 12 yrs)
- 6 Name the anti nutritional factor present in egg white.

Define:

- 7 Malnutrition.
- 8 Nutrition.

State True or False:

- 9 Milk is a rich source of calcium.
- 10 Pernicious anaemia is due to the deficiency of cobalamine.

II Write short notes on any FIVE:

(5 x 2=10)

- 1 Explain the need of food security.
- 2 List the clinical symptoms of vitamin A.
- 3 Explain briefly the digestion and absorption of carbohydrates.
- 4 List the clinical symptoms of anaemia and list four foods rich in iron.
- 5 Differentiate food fortification and enrichment.
- 6 List the functions of fat in human nutrition.
- 7 What is a food pyramid? List its uses.

III Answer any FIVE:

(5 x 4=20)

- 1 Clinical and biochemical changes in children suffering from PEM.
- 2 Methods of assessment of nutritional status in school children.
- 3 Toxicants naturally occurring in foods.
- 4 Importance of micro elements in human nutrition.
- 5 Methods for conservation of nutrients lost during post harvest processing.
- 6 Functions of vitamin B complex vitamins.
- 7 Effect of agricultural practices on nutritional composition of food.

IV Write essay on any ONE:

(1 x 10=10)

- 1 Explain in detail about the nutrition intervention programmes for vulnerable groups.
- 2 Write on the types of fat soluble vitamins under the following headings-
 - i. Functions
 - ii. Deficiency disorders
