

KERALA AGRICULTURAL UNIVERSITY

B.Sc. Hons (Ag) 2010 Admission

IVth Semester Final Examination, July /August 2012

Cat. No: Hmsc.2201

Title: Food and Nutrition (1+1)

Marks: 80

Time: 3hours

10x1= 10

I. Fill up:

1. Khesari dhal contains _____ toxic compound.
2. _____ and _____ are two disorders caused due to the deficiency of protein and calorie.
3. _____ is an oligosaccharide which causes flatulence.

Answer in one word:

4. Name the two important minerals present in body fluids.
5. RDA of energy for an adult man doing moderate activity.
6. Name the fruit rich in fat.

Define:

7. Food adulteration
8. RDA

State True or False:

9. Beri-beri is a clinical deficiency of thiamine.
10. Foods rich in proteins are called 'Protective foods'.

II. Answer any **Ten** of the following:

10x3= 30

1. Give an account on the functions of food.

2. Explain the three dimensions of food security.
3. List the clinical symptoms of PEM in children.
4. Give the nutritional classification of protein with example.
5. Explain briefly the digestion and absorption of carbohydrates.
6. List on the factors affecting food habits.
7. What is a food pyramid? List its uses.
8. List the clinical symptoms of anaemia and list four foods rich in iron.
9. Explain the role of vitamin A in vision.
10. Give an account on the factors based on which RDA is prepared.
11. List the functions of fat in human nutrition.
12. Give the classification of carbohydrate with examples.

III. Write short essays on any **Six**:

5x6= 30

1. Methods of assessment of nutritional status in school children.
2. Toxicants naturally occurring in foods.
3. Importance of micro elements in human nutrition.
4. Explain the digestion and absorption of fat.
5. Methods for conservation of nutrients lost during post harvest processing.
6. Functions of vitamin A.
7. Role of dietary fibre in human nutrition.
8. Effect of agricultural practices on nutritional composition of food.

IV. Answer any **One** essay:

10x1= 10

1. Explain in detail about the nutrition intervention programmes for vulnerable groups.
2. Explain the functions and deficiency symptoms of B complex vitamins.