

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Ag. 2012 Admission
IVth Semester Final Examination- August-2014

Cat. No: Hmsc.2201
Title: Food & Nutrition (1+1)

Marks: 80
Time: 3 hours

I. Fill up the blanks:

(10 x 1=10)

1. ----- is the vitamin found only in foods of animal origin
2. ----- is an example of a saturated fatty acid
3. A BMI value of more than ---- denotes obesity in an individual
4. Example for a sulphur containing amino acid is -----
5. An enzyme involved in protein digestion is -----
6. ----- is the fungus in groundnuts that produces aflatoxin

Define the following

7. Food adulteration
8. Nutrition

State True or False

9. Glucose is an example of aldose sugar.
10. The breakdown of glycogen to glucose is known as glycolysis.

II. Answer any ten of the following:

(10 x 3=30)

1. What are the functions of food?
2. The three dimensions of food security.
3. Give the functions of fat in the body?
4. What is a balanced diet?
5. Explain hydrogenation.
6. What is meant by mutual supplementation?.
7. What is osteoporosis?
8. What is goitre?
9. What do you mean by rancidity in fats?
10. What is a food guide?
11. Give the classification of carbohydrates.
12. What is bacterial food poisoning?

III. Write short essays on any six:

(6 x 5=30)

1. Protein energy malnutrition.
2. Role of dietary fibre in human nutrition.
3. National Nutritional Anemia Control Programme.
4. What is meant by a diet survey? Give the different methods of diet survey.
5. What are the functions of calcium in the body? Give the factors affecting absorption of calcium from the diet
6. Midday meal programme
7. Food enrichment
8. Deficiency of riboflavin

(1 x 10=10)

IV. Answer any One essay:

1. Toxicants naturally occurring in foods
2. Discuss the functions and sources of Vitamin A. Mention the deficiency disorders and discuss the strategies adopted to eliminate this problem.
