

KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2011 Admission
IVth Semester Final Examination- August-2013

Cat. No: Hmsc.2201

Title: Food & Nutrition (1+1)

Marks: 80

Time: 3 hours

I. Fill up the blanks / Define

(10 x 1 = 10)

1. Define balanced diet.
2. Define nutritional status.
3. Protein content of soyabean is _____
4. Salivary amylase contains _____
5. Define catabolism
6. Protein deficiency leads to _____
7. Common salt is fortified with _____
8. Lathrysm is due the adulteration of _____
9. Vitamin D aids absorption of _____
10. Nyctalopia is due to deficiency of _____

II. Write short notes/answers etc. on Any Ten

(10 x 3 = 30)

1. Write on food group - basic 11 with examples.
2. Give the nutrient composition of rice, soyabean and curry leaves.
3. Write on the importance of protein.
4. What are essential amino acids and essential fatty acids?
5. Write on clinical problems of fat.
6. Give the functions of Vitamin A.
7. Write on the deficiency symptoms of Vitamin D.
8. Give the functions and deficiency symptoms of Iron.
9. Write on the biochemical survey.
10. Give the symptoms of PEM.
11. Write on food fortification.
12. Write on bacterial food poisoning.

III. Write short essays on Any Six of the following

(6 x 5 = 30)

1. Give the functional and nutritional classification of foods with examples.
2. Write on the digestion and absorption of fat.
3. How will you formulate balanced diet for pregnant women?
4. Write on the functions and deficiency symptoms of Vitamin E and Vitamin K.
5. Give a detailed picture on iodine and fluoride.
6. Write on diet survey.
7. How environmental factors influence the nutrients in foods?
8. What are the methods available for conservation of nutrients?

IV. Write essay on Any One

(1 x 10 = 10)

1. Give a detailed picture on water soluble vitamins.
2. Write on the following :
 - a. Anthropometry.
 - b. Food borne intoxication
 - c. ICDS
 - d. Prevention of Adultration