

# KERALA AGRICULTURAL UNIVERSITY

B.Sc.Hons (Ag) Degree Programme 2014 Admission

IV<sup>th</sup> Semester Final examination – August- 2016

Cat. No: Hmsc 2201

Title: Food and nutrition (1+1)

Marks: 50.00

Time: 2 hours

I Answer all the questions .

(10 x 1=10)

1. \_\_\_\_\_ deficiency causes pernicious anaemia.
2. \_\_\_\_\_ is called the Sunshine vitamin.
3. \_\_\_\_\_ and \_\_\_\_\_ are two nutrients present in fish .
4. One gm of protein gives \_\_\_\_\_ kcal.
5. Bleeding gums is a typical symptom of \_\_\_\_\_ deficiency.

Match the following

- |                |                    |
|----------------|--------------------|
| 6. Vitamin C   | a) Fortification   |
| 7. Vitamin B12 | b) Tetany          |
| 8. Calcium     | c) Liver           |
| 9. ICDS        | d) Bleeding gums   |
| 10 Vanaspathi  | e) Supplementation |

II Write short notes on any five questions

(5 x 2= 10)

1. Explain dietary fibre and its importance.
2. Write a short note on mono saccharides.
3. Write a short note on phospholipids.
4. Explain food weightment method.
5. Discuss the role of selenium in the body.
6. Enumerate the functions of tocopherol.
7. What are the causes and symptoms of fluorosis?

III Write short Essays on any Five questions

(5 x 4=20)

1. State the importance of zinc and iodine in nutrition.
2. Discuss carbohydrate with respect to its classification.
3. How is protein digestion carried out in the body?
4. Enumerate the functions of calcium in the body.
5. What are the factors to be considered while planning meals.
6. Explain the naturally occurring toxicants in plant foods.
7. Explain Niacin deficiency.

IV Write essay on Any ONE

(1 x 10=10)

1. Give the distinguishing features of Kwashiorkar and Marasmus.
2. Explain the functions, sources and deficiencies of Vitamin D.

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