KERALA AGRICULTURAL UNIVERSITY B.Sc. (Ag) 2005 Admission VI Semester Final Examination October 2008

HMSc 3201 Human Food and Nutrition (1+1) Max. Marks: 60 Time: 2 hours

Section - A

Ansv	wer all the questions		$[20 \times 0.5 = 10 \text{ marks}]$
Fill i	in the blanks	1-1-1	to malike amin distri
1.	Dried pulses are rich in protein contain	ing	per cent.
2.	Fruits in general are good sources of		
3.	and are good sources of carotene.		
Choo	ose the correct answer		
4.	The blood of normal person contains a) 80 to 100mg b) 50 to 80mg c	of gluce	ose per 100ml d) 120 to 140mg
5.	In normal human subjects adipose tissue a) 10 - 20 % b) 10- 15 %	c) 5 – 15 %	d) 15 - 20 %
6.	The proteolytic enzyme present in gastric juice is called a) Trypsin b) Chymotrypsin c) Pepsin d) Renin		
		,, -	
7.	The deficiency of protein and calorie a) Marasmus b)Kwashiorkor	c) Goitre d) S	Scurvy
8.	Energy value of foods is determined using a) Respirometer c) Benedict and Roth Apparatus b)Bomb Calorimeter d) Planimeter		
9.	Kesari dhal contain toxic c a) BOAA b) Cyanogens c) Go	compound pitrogens d) l	None of the above:
10.	andare important elements present within body fluids.		
	a) Sodim, Potassium c) Iron, Phosphorus	b) Calcium, Magn	esium
	c) Iron, Phosphorus	a) Zinc, Copper.	
11.	a) 2.0 ppm b) 3.0 ppm	c) 4.0 ppm	d) 1.0 ppm
12.	One K.cal equals a) 4.184 joule b) 4.184 kilo joule	c) 4.184 mega jou	le d) 4.0 kg
	tate True or False The thiamine requirements are directly	related to calorie	requirements.
.14	Foods rich in proteins are called protective foods.		
. 15	5. Obesity is a condition in which the individual is overweight		
16	Rich source of vitamin-B ₆ are roots and tubers.		
17	Wet Beriberi is a clinical deficiency of thiamine.		
18	. Vitamin K is essential for blood coagulation.		
	. Milk is a good source of Vitamin D.		
). Extra vitamins and minerals are usually	y added to macron	i products to allow for
	losses during cooking.		

Answer all questions (Answer in one or two sentences)

- Define Nutrition
- What is meant by nutrient?
- 3. Define Health
- What is meant by overnutrition? Give example.
- Causes of obesity
- Symptoms of iron deficiency anaemia

Section - C

Answer any six questions (Answer in few sentences)

6 x 2 = 12 Marks

- Distinguish good nutrition and bad nutrition
- Food habits on regional variation
- 3. How the government nutrition policy can solve the iron deficiency
- Clinical symptoms of vitamin C
- Etiological agents of Atherosclerosis
- 6. List the enzymes involved in the digestion of proteins
- Distinguish essential and non-essential aminoacids.
- Botulism causative agent and symptoms of infection.

Section - D

Answer any four questions (paragraph answers)

4 x 3 = 12 Marks

- 1. Functional classification of foods
- Impact of good nutrition on national development
- 3. Protein calorie malnutrition
- Symptoms of vitamin A deficiencies.
- 5. Role of Dietary fibre
- 6. Food fortification and food enrichment

Section - E



Answer any four questions (Essay type answers)

4 x 5 = 20 Marks

- 1. Explain the role of Agricultural Scientists and Food Technologists on Meeting National Nutrition Requirements.
- Explain the Nutrition requirements during pregnancy
- Explain about the physiological changes in ageing process.
- 4. Role of International agencies in improving the nutritional status of the population - Explain.
- Explain about endemic Goitre and Osteoporosis