KERALA AGRICULTURAL UNIVERSITY B.Sc. (Ag) 2006 Admission VI Semester Final Examination July / August 2009

(116) 2		August 2009	Tillai Examiliation
HMSc.3201	a .		Max. Marks: 60
Human Food and Nutrition	1 (1+1)		Time: 2 hours
A. C.		Section - A	
Answer all the questions	in my sign		$[20 \times 0.5 = 10 \text{ marks}]$
Fill in the blanks	May 2		
1. The saliva contains an	alpha amylase	called	
2. Maltose maltase			
3. Foods rich in carbohy	drate and fats a	re called	foods.
Choose the correct answer	r		
4. Rice contains b) N	protein the fore c) A	an wheat and o	ther cereals. nadequate
5. Raw egg white contain	ısan	ti-nutritional fa	actor.
a) Tannin		b) Lectin	
c) Pepsin		d) Avidin	
6. Osteomalacia is widely a) Expectants	y prevalent amo b) Nursing	c) School	children d) Old people
	b) Bitot's sp	oot c) Kerato	malacia d) Night blindness
	b) Bacilli		d) Staphylococci
 Groundnut is infected a) Aspergillus 	b) Fusarium	c) Clavic	eeps d) Penicillium.
10. Clostridium perfringa) Anaerobe	gens is an b) Aerobe	c) Thermop	ng heat resistant spores. hillic d) Non-thermophillic.
11. Clostridium botulinaa) Meat and fishc) Cereals and mille		b) Corn and	groundnut pork products
12. Ragi contains rich so a) Calcium b) Po	ource ofc) Ph	osphorus	d) Sodium
13. Fats are essential for a) Fat soluble vitamic) Carbohydrates	ins b) Wa	ater soluble vit	amins
State True or False			
14. Lysine is an essential	fatty acid.		
15. Sucrose is readily hydronical	rolysed in the is	ntestine.	
16. Females have slightly	lower BMR tha	an males.	
17. Fatty acids obtained by			O ₂ and H ₂ O

19. Absorption of amino acids takes place in the large intestine.

18. Cardiovascular disease comprises diseases of heart.

20. The total iron content of normal adult man is estimated to be about 4.0 to 5.0g.

II

Answer all questions (Answer in one or two sentences)

 $6 \times 1 = 6 \text{ Marks}$

- 1. Expand NIN
- 2. What is meant by food fortification?
- 3. What is meant by food hygiene?
- 4. Any two functions of food
- 5. Calorific value of one gram of protein and one gram of fat
- 6. What is the protein requirement for a school going child?

Section - C

III

Answer any six questions (Answer in few sentences)

 $6 \times 2 = 12 Marks$

- 1. Typhoid and Paratyphoid causes and symptoms
- 2. Digestion process of carbohydrate outline
- 3. Body needs of vitamin D met by different sources Justify
- 4. Formulate a balanced diet at high cost for preschool children
- List the deficiencies occurring in the diets of school children in developing countries.
- 6. Nutrient content of any two cereals.
- 7. Two principles of treatment for atherosclerosis
- 8. What is the percentage of calorie to be supplied by carbohydrates, fats and proteins to an adult obese diabetic person.

Section - D

I

Answer any four questions (paragraph answers)

 $4 \times 3 = 12$ Marks

- 1. Trend on food production cereals and pulses in India Explain
- 2. How will you measure the calorific value of food?
- 3. Factors influencing the total energy requirement of body
- 4. Briefly write on deficiency disorder of Niacin.
- Predisposing factors of Diabetes Mellitus.

Section - E

1

Answer any four questions (Essay type answers)

 $4 \times 5 = 20 \text{ Marks}$

- 1. How will you formulate a balanced diet for a preschool child. Give a sample menu.
- 2. Explain about fluorosis and vitamin A deficiency
- 3. Explain the nutrition requirements during lactation.
- 4. Explain on Food borne Infection.
- 5. Explain the role of water in human body.