

MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF EDUCATION DEPARTMENT OF EARLY CHILDHOOD EDUCATION

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR IN EDUCATION (EARLY CHILDHOOD)

ECE 115: FOODS AND NUTRITION

DATE: TIME:

INSTRUCTIONS

Answer Question ONE (Compulsory) and any other TWO questions

QUESTION ONE (30 MARKS)

a) Define the following terms

i.	Food	(2 marks)
ii.	Nutrition	(2 marks)
iii.	Energy metabolism	(2 marks)
iv	Balanced diet	(2 marks)

b) Describe the health requirements recommended in the ABC nutritional guidelines.

(6 marks)

c) State six factors that influence the Basal Metabolic Rate.

- (6 marks)
- d) Identify five different types of minerals and describe each of their functions.

(10 marks)

QUESTION TWO (20 MARKS)

a) Briefly explain the nutritional needs of the following groups of people.

i.	Infants	(2 marks)
ii.	ECDE children	(2 marks)
iii.	Pregnant and lactating mothers	(2 marks)
iv.	Aged people	(2 marks)
V.	Adult Heavy workers	(2 marks)

b) Justify the use of FIVE specific methods of cooking for a given food. (10 marks)

QUESTION THREE (20 MARKS)

a) Choose appropriate foods that could be cooked using each of the following methods and describe how you can cook the food you have chosen

i.	Roasting	(2	2 marks)

ii.	Pan-frying	(2 marks)
iii.	Sautee	(2 marks)
iv.	Braising	(2 marks)
v.	Stewing	(2 marks)

b) Describe common practices that make food unsafe for human consumption. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Describe food safety in use of Microwaves. (5 marks)
- b) State five functions of lipids in the human body. (5 marks)
- c) Describe ways in which industrialization and urbanization negatively affects children of both the poor and the rich families in terms of nutrition. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Outline and briefly describe with examples five food preservation processes. (10 marks)
- b) Discuss five ways of reducing nutrient losses and maintain food safety in different categories of foods. (10 marks)