AUGUST 2023 EBS 307 FOOD HANDLING AND PRESERVATION 2 HOURS

Candidate's Index Number	
Signature:	

UNIVERSITY OF CAPE COAST COLLEGE OF EDUCATION STUDIES SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION FOUR-YEAR BACHELOR OF EDUCATION (B.ED) THIRD YEAR, END-OF-FIRST SEMESTER EXAMINATION, AUGUST 2023

15TH AUGUST 2023

1.

FOOD HANDLING AND PRESERVATION

9:00 AM - 11:00 AM

[60 MARKS]

Answer THREE questions in all; Question 1 and any TWO others.

a.	Write three ways are the texture of frozen foods affected.	3 marks
b.	Describe the characteristics of deteriorated sea foods during freezing.	1 mark
c.	What is the easiest way to promote quality deterioration in frozen foods?	1 mark
d.	Write three changes in functional properties occur in frozen cheese.	3 marks
e.	Differentiate between rancidity in minced meat and big pieces of meat.	2 marks
f.	Explain loss of colour in green vegetables during freezing.	1 mark
g.	Indicate the changes that occur in the bones of chicken frozen for long periods	. 1 mark
h.	Describe the changes that occur in the quality of frozen fruits.	1 mark
i.	Describe the changes that occur in frozen vegetables.	1 mark
j.	What best way can the changes in '1(i)' be prevented or reduced?	1 mark
k.	Identify two advantages of microwave cooking.	2 marks
1.	State one major setback of vacuum packaging.	1 mark
m.	Which technology for preservation is comparable to pasteurization and why?	2 marks

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1 mark

2 marks

1 mark

Which quality criterion is most important to food processors?

What makes the criterion mentioned in '3(i)'the most important?

Give one reason potatoes cannot be exposed to light in food storage.

i.

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k.

•	a.	Identify four factors that aid spoilage in fish or seafood.	2 marks
	b.	What is the most common way to retain the safety of carcasses after slaughtering?	1 mark
	c.	How are the physiological and pathological changes in fruits and vegetables checked?	1 mark
	d.	Why is milk considered an excellent medium for the growth of a variety of microorganisms?	3 marks
	e.	What characterizes the spoilage of milk and dairy products?	2 marks
	f.	Provide four benefits of fermented foods.	2 marks
	g.	Identify four principles that reduce or prevent microbial spoilage of food.	2 marks
	h.	Identify two major roles played by carbon dioxide produced by microorganism in food fermentations.	is 2 marks
	i.	Why are antibiotics discouraged from preserving food?	2 marks
	j.	What is the application of antioxidants in foods for and why is it very important	it? 2 marks
	k.	Write the main feature of rancidification.	1 mark

4.