

UNIVERSITY OF SWAZILAND

Faculty of Health Science

Department of Environmental Health Sciences

Final Examination 2007

TITLE OF PAPER

FOOD PROCESSING AND INSPECTION

COURSE CODE

EHS 514

DURATION

3 HOURS

MARKS

100

INSTRUCTIONS

READ THE QUESTIONS & INSTRUCTIONS

CAREFULLY

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ANSWER FIVE QUESTIONS

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EACH QUESTION CARRIES 20 MARKS

:

NO PAPER SHOULD BE BROUGHT INTO NOR OUT

OF THE EXAMINATION ROOM

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BEGIN EACH OUESTION ON A SEPARATE SHEET

OF PAPER

DO NOT OPEN THE QUESTION PAPER UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR.

EHS 514 Final Examination 2006/2007

QUESTION 1

Discuss food processing by microwave heating

(20 Marks)

QUESTION 2

Discuss the principle of food processing by freeze drying and its advantages over conventional dehydration (20 Marks)

QUESTION 3

Briefly discuss the following:

a) Exhaustion during sterilization

(8 Marks)

b) Four advantages of twin screw extruders

(12 Marks)

QUESTION 4

Briefly discuss the following

a) UHT processing technique and its effect on shelf life of milk

(12 Marks).

b) In-container sterilization

(8 Marks).

QUESTION 5

Discuss food processing by ohmic heating

(20 Marks)

QUESTION 6

Discuss the following:

a. Supercritical fluid extraction

(12 Marks)

b. Case hardening

(8 Marks)