

University Examinations 2011/2012

SECOND YEAR, FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH

IPH 2205: FOOD QUALITY ASSURANCE

DATE: APRIL 2012

TIME: 2 HOURS

INSTRUCTIONS: Answer question **one** and any other **two** questions

QUESTION ONE (30 MARKS)

a)	In industrial manufacturing practices, quality can have several definitions.	Briefly
	explain the four common definitions.	(8 Marks)
b)	List and explain the three groups of food product attributes.	(9 Marks)
c)	Briefly explain the objective methods for determining food quality.	(5 Marks)
d)	Explain how weather affects food quality.	(4 Marks)
e)	State and briefly explain the two types of quality audits.	(4 Marks)

QUESTION TWO (20 MARKS)

a)	Expla	in the following terms		
	i.	Quality assurance	(3 Marks)	
	ii.	Quality control	(3 Marks)	
	iii.	Quality audit.	(4 Marks)	
b)	List a	List and explain three differences between quality assurance and quality control.		
			(6 Marks)	
c)	Expla	in any two functions of food quality assurance department.	(4 Marks)	

QUESTION THREE (20 MARKS)

a)	Explain HACCP.	(3 Marks)
b)	Explain any three benefits of implementing an HACCP program in food	
	manufacturing.	(3 Marks)

c) List and briefly explain the seven principles of a HACCP program. (14 Marks)

QUESTION FOUR (20 MARKS)

- a) Explain the following terms as used in food quality assurance;
 - i. Sampling (2 Marks)
 - ii. Laboratory sample. (3 Marks)
- b) Samples are analyzed for a number of different reasons in the food industry. Explain this statement. (15 Marks)

QUESTION FIVE (20 MARKS)

a)	Explain the importance of statistical process control (SPC) in food quality assurance.	
		(6 Marks)
b)	Describe the two types of control charts.	(6 Marks)
c)	In food manufacturing, when is a process in control?	(8 Marks)