

UNIVERSITY OF EMBU

2016/2017 ACADEMIC YEAR

FIRST SEMESTER EXAMINATION

SECOND YEAR EXAMINATION FOR DIPLOMA (CROP PROTECTION)

ACP 020: ENVIRONMENTAL HEALTH, PHYTOSANITARY REGULATIONS AND STANDARDS

DATE: DECEMBER 1, 2016

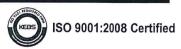
TIME: 8:30-10:30AM

INSTRUCTIONS:

Answer Question ONE and ANY other TWO Questions

QUESTION ONE (30 MARKS)

a)	Describe how pollutants could lead to decreased soil fertility	(3 marks)
b)	Define eutrophication and describe the factors that causes it	(3 marks)
c)	Name the categories of plant import regulations	(3 marks)
d)	Differentiate between point and non-point sources of pollution	(2 marks)
e)	Explain the goals of CODEX Alimentarius Commission	(2 marks)
f)	State the limitation of quarantine in the prevention of the introduction of new plant	
	pathogens	(3 marks)
g)	Describe the technique of waste recycling using biological reprocessing	(3 marks)
h)	Explain why farmers prefer to utilize pesticides in the control of pests in spite of their	
	negative effects	(2 marks)
i)	Explain the purpose of Hazard Analysis and Critical Control Point (HACCP)	(2 marks)
j)	State three functions of plant health clinics	(3 marks)
k)	Outline the objectives of EurepGAP	(4 marks)



QUESTION TWO (20 MARKS)

a) Discuss the effects of air pollution on the environment (10 marks)

b) Discuss the role of codex in international trade (10 marks)

QUESTION THREE (20 MARKS)

a) Describe the phytosanitary procedures for the importation of plant materials to

Kenya (10 marks)

b) Discuss the methods used in dumping of waste

(10 marks)

QUESTION FOUR (20 MARKS)

a) Discuss the principles of Hazard Analysis and Critical Control Point HACCP (14 marks)

b) A farmer is wondering if he should join the EurepGAP system. Outline six benefits this farmer would get if he joins the EurepGAP system (6 marks)

QUESTION FIVE (20 MARKS)

a) Discuss seed certification procedure in Kenya (12 marks)

b) Discuss the methods used in waste handling and transportation (8 marks)

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