



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)

--END--