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University Examinations 2015/2016

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE ANIMAL HEALTH AND PRODUCTION

AAA 3151: ENVIRONMENTAL SCIENCE AND AGRO-METEOROLOGY

DATE: NOVEMBER 2015

TIME: 2 HOURS

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

QUESTION ONE (30 MARKS)

- a) Explain the photochemical reactions that take place in the ozone layer hence depleting it. (5 Marks)
- b) State the causes of biodiversity loss in fresh water ecosystems (5 Marks)
- c) Describe five methods of controlling air pollution in Kenya (5 Marks)
- d) Describe the aquatic ecosystems (5 Marks)
- e) Discuss the El Nino weather phenomenon and its effect in agriculture (10 Marks)

QUESTION TWO (20 MARKS)

- a) Development is always accompanied by negative environmental impacts. Discuss any five named development projects in Kenya and their impacts. (10 Marks)
- b) Describe the atmospheric layers according to temperature variation. (10 Marks)

QUESTION THREE (20 MARKS)

- a) Discuss the 4 Rs of maintaining clean environment. (8 Marks)
- b) Describe the treatment and disposal of hazardous waste (12 Marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the various climate change adaptation interventions in Kenya (10 Marks)
- b) Discuss ways in which human population can be controlled to manageable level. (10 Marks)