



UNIVERSITY OF EMBU

2016/2017 ACADEMIC YEAR

SECOND SEMESTER EXAMINATION

FOURTH YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN MANAGEMENT OF AGROECOSYSTEMS AND ENVIRONMENT

AEM 406: GLOBAL ENVIRONMENT AND SUSTAINABLE MANAGEMENT

DATE: APRIL 11, 2017

TIME: 8:30-10:30AM

INSTRUCTIONS:

Answer Question ONE and ANY other TWO Questions

QUESTION ONE

- a) Define environmental management (3 marks)
- b) Outline five tools and techniques that can be used for environmental management. (5 marks)
- c) Explain the importance of information and knowledge for environmental management. (5 marks)
- d) State the importance of environmental monitoring. (2 marks)
- e) Highlight the content of Agenda 21 of UNFCCC. (5 marks)
- f) Explain the concept of greenhouse effect. (5 marks)
- g) Describe the process of ozone layer depletion. (5 marks)

QUESTION TWO

- a) Describe the four types of values of the natural environment. (8 marks)
- b) Describe the three main barriers to environmental management. (12 marks)

QUESTION THREE

- a) Using appropriate examples, explain your understanding of the multilateral environmental agreements. (5 marks)

- b) Discuss the key dimensions of sustainable development. (15 marks)

QUESTION FOUR

- a) Discuss the origin and growth of the concept of sustainable development. (10 marks)
- b) Using examples, discuss the impact of human activities on various types of ecosystem. (10 marks)

QUESTION FIVE

- a) Discuss the importance of global involvement in environmental management (10 marks)
- b) Discuss the source and impacts of global warming on the environment. (10 marks)

END