

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)

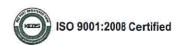
QUESTION TWO

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