



UNIVERSITY OF EMBU

2016/2017 ACADEMIC YEAR

SECOND SEMESTER EXAMINATION

THIRD YEAR SEMESTER TWO EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN AGRICULTURE

ACP 304: ENVIRONMENTAL MANAGEMENT

DATE: APRIL 10, 2017

TIME: 8:30-10:30AM

INSTRUCTIONS:

Answer Question ONE and ANY other TWO Questions

QUESTION ONE

- a) Cite reasons that resulted to Vienna convention of 1986 [3 Marks]
 - b) Define Biological oxygen demand [2 Marks]
 - c) Describe the efficiency technique of environmental conservation [3 Marks]
 - d) The environmental management class in the University of Embu learnt that the melting polar ice cap is as a result of increased concentration of carbon dioxide, explain the possible reasons for the melting of the polar ice cap [4 Marks]
 - e) Environmental management entails planning and organizing process, expound on this statement [3 Marks]
 - f) Temperatures in the troposphere decreases as one rises and this changes as one gets into stratosphere, where temperature increases as one rises. Briefly describe the causes of these patterns [3 Marks]
 - g) Third year Students from School of Agriculture University of Embu visited a fish pond within the compound and the entire water surface was covered with a layer of green lower plants growth. Explain the process that may have caused this phenomena [5 Marks]
 - h) Differentiate giving examples point from non-point source, water pollution [4 Marks]
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- i) Discuss how urban households can help the county governments in the management of the dumpsites at the domestic solid waste generation and collection level [3 Marks]

QUESTION TWO

Discuss citing examples the DPSEEA framework for environmental health indicators [20 Marks]

QUESTION THREE

The 3rd year Bsc Horticulture students from the university of Embu learnt that one of the major factors affecting the horticultural sector in Kenya today is the impact of continuous emissions of greenhouses gases especially carbon dioxide from industries. Explain [20 Marks]

QUESTION FOUR

Citing examples discuss the use of recycling, reuse and substitution techniques in environmental resource conservation. [20 Marks]

QUESTION FIVE

Describe the secondary and tertiary stages of sewage treatment [20 Marks]

END