



EMBU UNIVERSITY COLLEGE

(A Constituent College of the University of Nairobi)

2015/2016 ACADEMIC YEAR

SECOND SEMESTER EXAMINATION

THIRD YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
(HORTICULTURE)

ACH 305: LANDSCAPE DESIGN CONSTRUCTION AND MANAGEMENT

DATE: APRIL 12, 2016

TIME: 11:00-1:00

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions

QUESTION ONE

- a) Define the following terms;
- i) Landscape (2 Marks)
 - ii) Landscape Design. (2 Marks)
 - iii) Landscaping (2 Marks)
- b) Briefly describe the factors to consider in designing a sustainable landscape. (5 Marks)
- c) Define a contour line and describe the six characteristics of contour lines. (8 Marks)
- d) Explain the factors that influence Landscape Design. (5 Marks)
- e) Vegetation can be qualified as landscape elements. Briefly describe the roles of vegetation in a designed landscape. (6 Marks)

QUESTION TWO

- a) The outdoor room concept is an important guide to designing residential landscapes. With the aid of a well labeled diagram, discuss the concept of the outdoor room. (10 Marks)
- b) Define a topographical profile and using diagrams describe how the following landforms are represented by contours. (10 Marks)
- i) Concave profile
 - ii) Convex profile
 - iii) Depression profile
 - iv) Peak profile

QUESTION THREE

Embu University College is thinking of designing a Principal's square. You have been approached to be the Landscape designer. Discuss the landscape design process you would take to come up with a well designed functional space. (20 Marks)

QUESTION FOUR

- a) Discuss the factors considered in the selection of plants for landscape design. (10 Marks)
- b) With the aid of well labeled diagrams differentiate between guying and staking as practices used in landscape installation. (10 Marks)

QUESTION FIVE

A client is considering starting a greenhouse nursery for ornamental plants. As an expert, advice the client on the types of covering materials, methods of conserving energy and the purpose of greenhouses. (20 Marks)

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