



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**THIRD YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR
THE DEGREE OF BACHELOR OF SCIENCE IN HORTICULTURE**

2016/2017 ACADEMIC YEAR

REGULAR

COURSE CODE: AHT 3315

COURSE TITLE: Landscape Design

EXAM VENUE:

STREAM: BSc. (Horticulture)

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B.**
- 2. Candidates are advised not to write on question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A [30 MARKS]

Answer ALL questions from this Section.

1. Suggest the following:
 - a. Six functions of plants in a landscape design. **(3 Marks)**
 - b. Four Landscape design principles. **(2 Marks)**
2. Sketch the following plant types:
 - a. Rounded **(½ Mark)**
 - b. Weeping **(½ Mark)**
 - c. Spike **(½ Mark)**
 - d. Oval **(½ Mark)**
3. Explain the following:
 - a. Barriers in a landscape design. **(1 Mark)**
 - b. Design theme **(3 Marks)**
 - c. Landscape forms **(3 Marks)**
 - d. Landscape type **(3 Marks)**
 - e. Sustainable Landscape **(3 Marks)**
4. Discuss the following terms as they apply to landscape design:
 - a. Aesthetic considerations. **(4 Marks)**
 - b. Maintenance Pruning. **(2 Marks)**
 - c. Moonlighting. **(2 Marks)**
 - d. Uplighting for directional viewing. **(2 Marks)**

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

5. A landscape is composed of the public area, private area and service area. Discuss the features of these three areas. **(20 Marks)**
6. Discuss the landscape design process based on the following considerations:
 - a. Understand Your Site. **(14 Marks)**
 - b. Remember the User. **(6 Marks)**
7.
 - a. There are many different landscape design themes- from simple to complex, but it is helpful to choose one to guide your plant and material selection. Discuss the process of choosing a theme. **(14 Marks)**
 - b. Create and Link Spaces. **(6 Marks)**

8. Irrigation may be the single most strategically important intentional environmental modification humans have learned to perform. Discuss the ancient origins of irrigation.

(20 Marks)