



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

**SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**

**FOURTH YEAR SECOND SEMESTER UNIVERSITY EXAMINATION  
FOR THE DEGREE OF BACHELOR OF SCIENCE IN HORTICULTURE**

**2017/2018 ACADEMIC YEAR**

**REGULAR**

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**COURSE CODE: AHT 3426**

**COURSE TITLE: Turf Grass Management**

**EXAM VENUE:**

**STREAM: BSc. (Horticulture)**

**DATE: 10/11/2020**

**EXAM SESSION: 15.00-18.00PM**

**TIME: 3 HOURS**

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**Instructions:**

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B.**
- 2. Candidates are advised to write on the text editor provided, or to write on a foolscap, scan and upload alongside the question**
- 3. Candidates must ensure they submit their work by clicking "finish and submit attempt" button at the end.**

**SECTION A [30 MARKS]**

**Answer ALL questions from this Section.**

1. Define the following terms with examples:
  - a. Ligule. (3 Marks)
  - b. Auricle. (3 Marks)
  - c. Stolons. (2 Marks)
  - d. Rhizomes. (2 Marks)
  
2. Differentiate between the following
  - a. White grubs and mole crickets. (4 Marks)
  - b. Functional and recreational benefits of lawn and other turf grass. (4 Marks)
3. Briefly explain the following:
  - a. Four problems which can result in a poorly maintained lawn. (4 Marks)
  - b. Four ways grass clippings can be made use of. (4 Marks)
  - c. The “4 R’s” of fertilization. (1 Mark)
  - d. Three symptoms of a lawn which needs to be watered. (3 Marks)

**SECTION B [40 MARKS]**

**Answer ANY TWO questions from this Section.**

4. Kalekye would like to manage her lawn and has approached the fourth year horticulture class on how best she can go about this. Suggest ten considerations your class would present to her. (20 Marks)
  
5. Kamau would like to conduct a library search on diseases in turf grass and how fungicides can be used to manage the diseases. Outline possible points which can emerge in his library research. (20 Marks)
  
7. Discuss maintenance of artificial turf(20 Marks)