



UNIVERSITY OF EMBU

2019/2020 ACADEMIC YEAR

SECOND SEMESTER EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE DEGREE OF SCIENCE IN
HORTICULTURE

ACH 407B: TURF GRASS MANAGEMENT

DATE: OCTOBER 13, 2020

TIME: 8:30 AM – 10:30 AM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE (30 MARKS)

- a) What do you understand by the following terms;
- i) Syringing. (1 mark)
 - ii) Sprigging (1 mark)
- b) Describe sources of phosphorus fertilizer in turf grass management (5 marks)
- c) A lawn manager found an old bag of Bermuda grass in a shed, can he use them to establish a lawn? (5 marks)
- d) Explain a method you would recommend in spreading turf grass seeds during establishment of a lawn. (5 marks)
- e) Explain the criteria for selecting turfgrass species (5 marks)
- f) Discuss the use of plant growth regulators in turf-grass management (5 marks)
- g) Why are turf grasses seeded at different rates? (3 marks)

QUESTION TWO (20 MARKS)

- a) Describe steps followed in site preparation in turf-grass establishment (14 marks)
- b) Describe factors that determine the irrigation frequency in turfgrass management (6 marks)

QUESTION THREE (20 MARKS)

- i) Discuss the vegetative establishment methods of turf grass (10 marks)



ISO 27001:2013 Certified *Knowledge Transforms*



ISO 9001:2015 Certified

ii) Discuss the roles of turf grass in our lives

(10 marks)

QUESTION FOUR (20 MARKS)

- a) You have been requested by Embu County municipality to give a lecture on turf grass management. Prepare a lecture notes on methods of disease control in turf grasses.(10 marks)
- b) Discuss the significance of mowing height in turf grass management (10 Marks)

QUESTION FIVE:

Describe the origin and characteristics of the following

- i) Bermuda grass (*Cynodon dactylon*) and (10 marks)
- ii) Pennisetum (*Pennisetum clandestinum* Hochst. ex Chiov): (10 marks)

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