



NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

FACULTY OF HEALTH, NATURAL RESOURCES AND APPLIED SCIENCES

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES SCIENCES

DEPARTMENT OF AGRICULTURAL SCIENCES AND AGRIBUSINESS

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| QUALIFICATION: BACHELOR OF SCIENCE IN HORTICULTURE | |
| QUALIFICATION CODE: 07BHOR | LEVEL: 7 |
| COURSE CODE: TGL620S | COURSE NAME: TURF GRASS AND LANDSCAPE MANAGEMENT |
| DATE: JANUARY 2025 | PAPER: 1 |
| DURATION: 3 HOURS | MARKS: 100 |

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| SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER | |
| EXAMINER(S) | DR EDGAR MOWA |
| MODERATOR: | DR GRACE KANGUEEH |

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| INSTRUCTIONS |
| <ol style="list-style-type: none">1. Answer all the questions.2. Write neatly and clearly.3. Mark all answers clearly with their respective question numbers.4. All written work MUST be done in blue or black ink.5. No books, notes and other additional aids are allowed. |

PERMISSIBLE MATERIALS

1. Calculator
2. Examination paper
3. Examination script

THIS QUESTION PAPER CONSISTS OF 2 PAGES
(Excluding This Front Page)

QUESTION 1:**[5 MARKS]**

1.1 Define the following terminologies:

- (a) Agrostology
 - (b) Turf
 - (c) Turfgrass culture
 - (d) Asymmetrical balance
 - (e) Sod production:
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Question 2**[3 MARKS]**

2.1 Which important rules will you advice someone who intends to mow their lawn for the first time?

Question 3**[3 MARKS]**

3.1 Why does turfgrass perform better when photosynthesis is greater than respiration?

Question 4**[4 MARKS]**

4.1 Discuss why turfgrass keeps growing after its mowed down even to the shortest height compared to other plants.

Question 5**[6 MARKS]**

5.1 What will be the negative influences of improper mowing?

Question 6**[6 MARKS]**

6.1 How can one identify Nitrogen, Phosphorus and Potassium (NPK) deficiency in turf grass.

Question 7**[6 MARKS]**

7.1 What role does Nitrogen, Phosphorus, and Potassium play in turfgrass?

Question 8

[6 MARKS]

8.1 What are the benefits of a lawn at home, park, public area, or school ground?

Question 9

[10 MARKS]

9.1 Discuss the key factors for keeping weeds away from a home lawn?

Question 10

[15 MARKS]

10.1 Describe the three turfgrasses used in Namibia.

Question 11

[16 MARKS]

11.1 Discuss the fertiliser requirements of turfgrass.

Question 12

[20 MARKS]

12.1 The Rundu Town Council's new management is redesigning all its parks and green spaces and has hired you as a consultant to help them doing so whilst considering the principles of landscape design. Discuss how you will apply such principles.

END OF QUESTION PAPER
