



(University of Choice)

**MASINDEMULIROUNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

UNIVERSITY SPECIAL/SUPPLEMENTARY EXAMINATION

2021/2022 ACADEMIC YEAR

FIRST YEARS

FIRST SEMESTER

FOR

**DIPLOMA IN GENERAL AGRICULTURE AND DIPLOMA IN
HORTICULTURE**

COURSE CODE: DAG 057

COURSE TITLE: INTRODUCTION TO BOTANY

DATE:

TIME:

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and B

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over. ►

SECTION A: ANSWER ALL QUESTIONS

QUESTION ONE (15 MARKS)

(a) Define the following terms as used in botany:

5 Marks

- i Bryology
- ii Ethnobotany
- iii Paleobotany
- iv Palynology
- v Phycology

(b) Giving relevant examples, explain any 5 importance of plants to nature

10 Marks

QUESTION TWO (15 MARKS)

(a) Outline 4 general salient features of plants

4 Marks

(b) Identify two classes of the division Angiosperms

2 Marks

(c) Outline any 4 distinctive differences between the classes identified

4 Marks

(d) Pteridophytes are the most advanced among cryptogams. Justify with 3 points

3 Marks

(e) Identify 2 weaknesses of binomial nomenclature

2 Marks

SECTION B: ANSWER ALL QUESTIONS

QUESTION THREE (20 MARKS)

(a) Explain 2 methods to preserve and record plant species for future use

10 Marks

(b) Use a simple diagram to explain any 2 patterns of plant distribution

10 Marks

QUESTION FOUR (20 MARKS)

(a) Discuss 5 main factors limiting photosynthesis rate

20 Marks