



(The University of choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

**YEAR ONE SECOND SEMESTER EXAMINATIONS
(Main examination)**

**BACHELOR OF SCIENCE IN ANIMAL PRODUCTION AND PROCESSING
TECHNOLOGY**

COURSE CODE: AEX-102 311

COURSE TITLE: Technical Writing and Reporting

DATE: 9th April 202

TIME: 12-2 PM

Instructions: This paper consists of 6 questions
Answer all questions in Section A, and any other 3 questions
Ensure your answers are clearly and logically written

SECTION A (25 Marks)

Question 1

- (a) Briefly explain the major attributes of technical reports. **(7 marks)**
- (b) List the types of technical reports normally encountered in science and technology. **(5 marks)**
- (c) State the importance of syntax in composing the titles of technical reports. **(3 marks)**

Question 2

- (a) Discuss the statement that 'writing for publication is the ultimate goal of science.' **(8 marks)**
- (b) List and explain the components of a technical report. **(5 marks)**

SECTION B (45 Marks)

Question 3

- (a) Identify and list the resources you will need for writing a good technical report. **(5 marks)**
- (b) Show with reference to Tables 1 to 2 given below why disorganized tables hinder comprehension of Technical Reports. **(5 marks)**

Tale 1: Effect of Aeration on Growth of Streptomyces coelicolor

Tem(°C)	No. of expt	Aeration of growth medium	Growth ^a
24	5 →	+ ^o →	78
24	5 →	- →	0

Table 2: Effect of Temperature on Growth of Oak (Quercus) Seedlings

Temp (°C)	Growth in 48h (mm)
-50	0
-40	0
-30	0
-20	0
-10	0
0	0
10	0
20	7
30	8
40	1
50	0
60	0
70	0
80	0
90	0
100	0

- (c) List the rules for writing a good introduction to a technical report or scientific paper **(5 marks)**

Question 4

- (a) You have been tasked to collect data for an experimental survey, describe accurately the technical specifications and quantities of the research materials you would use in your experiments or field surveys. **(9 marks)**

- (b) Name and describe the three basic rules of citing the literature of science. **(6 marks)**

Question 5

- (a) Discuss the significance of achieving clarity and brevity in writing the Findings of a technical report or scientific paper. **(6marks)**
- (b) Briefly explain the importance of graphs in scientific writing **(5 marks)**
- (c) State the essential features of a good Discussion? **(4 marks)**

Question 6

(a) Describe the major characteristics of bibliographic and reference styles. **(6 marks)**

(b) Explain the major attributes of technical reports. **(9 marks)**