



# MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES

DEPARTMENT OF AGRICULTURAL EDUCATION

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR  
BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

**AEE 412: TECHNICAL REPORT WRITING IN AGRICULTURAL SCIENCES**

**DATE: 29/4/2019**

**TIME: 8:30 – 10:30 AM**

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**INSTRUCTIONS: Answer question ONE and any other TWO questions**

## QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Define a technical report (2 marks)
- b) Explain THREE characteristics of a technical report (6 marks)
- c) Explain three ways of inculcating effective communication in science and agricultural writing (6 marks)
- d) Describe organization of technical matter in a technical report under the following subheadings
  - i) Chronological development (3 marks)
  - ii) Subject development (3 marks)
- e) Using relevant give three differences in primary and secondary source materials for a technical report (6 marks)
- f)
  - i) Explain why you should not use trade names when describing scientific materials for conducting experiments (2 marks)
  - ii) Explain Two situations when use of trade names would be necessary (2 marks)

## QUESTION TWO (20 MARKS)

- a) Explain FOUR styles of citing references in a publication (2 marks)
- b) Giving relevant examples describe the components of a technical report (18 marks)

**QUESTION THREE (20 MARKS)**

- a) Explain the importance of a good title in a technical report. (2 marks)
- b) Explain FIVE functions of a technical report (10 marks)
- b) Discuss FIVE ways of categorizing technical reports (10 marks)

**QUESTION FOUR (20 MARKS)**

- a) Explain the importance of a good title in a technical report. (2 marks)
- b) Explain FOUR rules that should be followed in developing a good introduction for a scientific report. (8 marks)
- b) Discuss the FIVE components of the discussion section of a scientific paper (10 marks)

**QUESTION FIVE (20 MARKS)**

Discuss writing for publication in a scientific journal under the following

- a) Organization (5 marks)
- b) Language (5 marks)
- c) Using Abbreviations (5 marks)
- d) The Challenge Facing African Writers of Science (5 marks)