



***“Investing in Africa’s future”***

**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES**

**NAEC 112: COMMUNICATION SKILLS IN AGRICULTURE AND NATURAL  
RESOURCES**

**END OF SECOND SEMESTER FINAL EXAMINATIONS**

**APRIL 2022**

**LECTURER: W. MANYANGARIRWA**

**DURATION: 3 HOURS**

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**INSTRUCTIONS**

1. Answer All Questions in Section A, and
2. Choose and Answer any two questions in Section B.

## SECTION A

### ANSWER ALL QUESTIONS IN THIS SECTION

1. You have been assigned to conduct a Research Survey in a rural area to gather information on the adoption of a new farming technology introduced by the extension service. Outline the steps you need to follow in:
  - (i) Preparing to interview respondents,
  - (ii) Interviewing the respondents. [10]

b) The following data was gathered from markets where farmers sell their fresh produce in major cities of Ethiopia. In Harar, farmers sold 10 tonnes of cabbage and 20 tonnes of green beans. In Dire Dawa farmers sold 5 tonnes of cabbage and 10 tonnes of green beans. In Addis Ababa farmers sold 90 tonnes of cabbage and 60 tonnes of green beans. In Bahir Dar farmers sold 50 tonnes of cabbage and 30 tonnes of green beans.

  - i) First tabulate the data and then present the data using a neat, well labelled graph. (use the graph paper provided). [18]
  - ii) Calculate the proportions of the cabbage market that are taken up by the different cities. [2]

c) With reference to specific examples, explain the difference between continuous data sets and discrete data sets. [5]

d) With reference to specific examples, explain the difference between a dependent variable and an independent variable in data sets. [5]

e) Give a brief outline of what is meant by the context in communication. [10]

## SECTION B

### ANSWER ANY TWO QUESTIONS FROM THIS SECTION

2. Electronic mail (e-mail) has been labelled as a tool that has transformed the workplace in terms of ease of communication. Outline the main uses of e-mail in business communication. In your answer illustrate some of the **concerns** associated with the use of e-mail at the workplace. [25]
3. Discuss the different types of barriers to effective communication that are encountered in society. [25]
4. Discuss the different leadership styles at the workplace. [25]
5. You have been asked to teach Mutare Girls High School students on Principles of Scientific Writing. Give an outline of the major components of a **Research** scientific

paper paying attention to aspects that students need to include in each section as well as the referencing system. [25]

**End of Examination Paper**