



“Investing in Africa’s future”

COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES

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

END OF FIRST SEMESTER FINAL EXAMINATIONS

NOVEMBER 2023

LECTURER: WALTER MANYANGARIRWA

DURATION: 3 HOURS

INSTRUCTION

**ANSWER ALL QUESTIONS IN SECTION A, AND ANY
THREE OTHER QUESTIONS IN SECTION B**

Write legibly

INSTRUCTION

ANSWER ALL QUESTIONS IN SECTION A, AND ANY THREE OTHER QUESTIONS IN SECTION B

SECTION A

1. The following data was collected from a study of student population intakes at Harar University in Ethiopia. In 2020, the University took 15 nationals in first year Forestry and 20 internationals in first year Forestry, In 2021, the University took 13 nationals in Forestry and 11 internationals in Forestry. In 2022 the University took 25 nationals in Forestry and 15 internationals in Forestry. In 2023 the intakes were 30 nationals and 15 internationals in the same programme.
 - a) Is the data discrete or continuous? Explain your answer. [2]
 - b) Tabulate the data. [3]
 - c) Present the data using a neat, well labeled graph. (use the graph paper provided). [15]
2.
 - a) Write a short essay explaining the importance of Communication Skills in the Natural Sciences. [5]
 - b) Explain the difference between communication noise and barriers to effective communication. [5]
 - c) With reference to specific examples, explain the difference between a dependent variable and an independent variable in data sets. [5]
 - d) Illustrate the value of having a well organized and properly written CV. [5]

SECTION B. ANSWER ANY THREE QUESTIONS FROM THIS SECTION

3. Within any organization, **Communication Noise** can interfere with the Communication Process. Outline the main types of communication noise that can be encountered in a typical agricultural set-up and suggest ways in which the noise can be minimized. [20]

4. Explain the roles played by the following people in a professional organizational Annual General Meeting (AGM),
- (a) the chairman, [8]
 - (b) the secretary, [7]
 - (c) the Treasurer. [5]
5. What are the advantages and disadvantages of ICT tools with emphasis on the internet in **rural communication**? [20]
6. You have been assigned to conduct a Research Survey in Mutasa **rural area** to gather information on the adoption of a new farming technology introduced by the extension service. Discuss the steps you need to follow in:
- (a) Preparing to interview respondents, [7]
 - (b) Interviewing the respondents and, [7]
 - (c) Compiling the information. [6]
7. Give a concise outline of the different components that make up a scientific paper reporting on the results of **an experiment**. In your answer briefly explain the content of each section including the referencing system. [20]

End of Examination Paper