



PAN AFRICA CHRISTIAN UNIVERSITY

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

**END OF SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF ARTS IN COMMUNITY DEVELOPMENT**

MAY-AUGUST TRIMESTER 2025

CAMPUS: ROYSAMBU

DEPARTMENT: COMMUNITY DEVELOPMENT

COURSE CODE: CDC 318

**COURSE TITLE: APPROPRIATE TECHNOLOGY IN COMMUNITY
DEVELOPMENT**

EXAM DATE:

DURATION: 3 HOURS

TIME: 5:30PM-8:30PM

INSTRUCTIONS

- Read the instructions and questions carefully before you write the answers.
- **Answer any TWO questions**
- *ALL PAC University's examination rules and regulations apply*

Question one

Imagine you are part of a local NGO team tasked with improving food preservation in a remote community in East Africa where access to refrigeration is limited.

Design a low-cost, culturally appropriate technology solution that could solve the problem.

Explain the following:

- a) The local context and need. **(5marks)**
- b) The proposed technology and how it functions. **(5marks)**
- c) How it reflects the principles of appropriate technology. **(5marks)**
- d) Possible adoption challenges and how to address them. **(5marks)**

Question Two

A successful water purification device developed in a South Asian urban slum is being considered for use in a semi-arid nomadic region of northern Kenya.

As a community development expert, analyze whether this technology should be transferred.

Your analysis should include following:

- a) Five criteria for evaluating appropriateness in the new context. **(5marks)**
- b) Identity **Five** Potential risks of failure or resistance from the community members. **(5marks)**
- c) Using Five practical strategies, explain how you would engage the community in adapting or redesigning the technology. **(5marks)**
- d) Discuss **Five** strategies you will use to promote adoption of the technology by members of the community. **(5marks)**

Question three

A foreign donor offers to fund the installation of high-tech digital education boards in rural schools. However, there is no electricity, internet, or teacher training to support the technology.

As a community development expert, propose an alternative educational technology or solution that aligns with the **FIVE** principles of appropriate technology and local context.

(20marks)