PAN AFRICAN CHRISTIAN UNIVERSITY

UNIVERSITY EXAMINATIONS 2025/2026

THIRD SEMESTER EXAMINATION FOR THE DEGREE OF

BACHELOR OF ARTS IN COMMUNITY DEVELOPMENT STUDIES

CDC 318: APPROPRIATE TECHNOLOGY

Date: 28/07/2026 **Time: 2 HOURS**

Instructions:

This paper consists of **FOUR** questions.

Answer any **THREE** questions

Each question carries 20 marks.

Question 1

a) The World Bank, in collaboration with the Ministry of Agriculture, plans to introduce a solar-powered irrigation system in the expansive Galana-Kulalu drought-prone section of Tana River County. Explain any **FIVE** characteristics of appropriate technology that should guide the selection and adoption of this technology

(10 Marks)

b) With examples from the project above, explain any **FIVE** differences between appropriate technology and intermediate technology (10 Marks)

Question 2

a) Appropriate Technology plays a critical role in community transformation and development. Using relevant examples, explain **FOUR** roles of Appropriate Technology in community development

(8 Marks)

b) A rural community in Kajiado County intends to improve the income of their households through the adoption of technology-based interventions. Discuss any **THREE** categories of appropriate technology and show how each can contribute to the community's development

(12 Marks)

Question 3

a) An NGO in Kibera, an informal settlement in Nairobi, plans to introduce a waste recycling technology in the area. Explain any **FOUR** ethical considerations that should guide the implementation of this technology (8 Marks)

b) Discuss any **FOUR** challenges commonly encountered during technology transfer, providing a practical solution for each challenge. (12 Marks)

Question 4

a) Community Participation is essential in the adoption of appropriate technology in community development. As a specialist, explain **FIVE** strategies you would use to enhance the participation of communities in adopting an appropriate technology. (10 Marks)

b) With relevant examples from your country, outline **FIVE** ways appropriate technology contributes to the sustainable development of the nation. (10 Marks)