

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE

AGHE 331: APPROPRIATE TECHNOLOGY I

STREAMS: BSC

TIME: 2 HOURS

DAY/DATE: TUESDAY 05/12/2017

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

1.
 - (a) In the past few months Kenya has faced enormous political turmoil. Using relevant examples, discuss how this has affected the role of appropriate technology in empowering communities. [10 marks]
 - (b) Explain the process of technology transfer. [10 marks]
 - (c) Riziki seeks to build an environmental friendly low cost housing. Illustrate ways in which she can achieve the following. [10 marks]
 - (i) Energy efficiency
 - (ii) Water collection and storage
 - (iii) Use of indigenous material
 - (iv) Cost effectiveness
2.
 - (a) Explain desirable qualities one would possess as an agent of extension in appropriate technology. [10 marks]
 - (b) Defend the relevance of appropriate technology in Kenya today. [10 marks]
3. Discuss the attributes of a technology that influence its adoption into a community. [20 marks]
4.
 - (a) Using relevant examples explain the characteristics of appropriate technology that make it indispensable for developing countries. [10 marks]

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- (b) Using a technology of your choice as an example explain the statement
'Appropriate technology is not backward and outdated technology'. [10 marks]
5. (a) Sustainable development goal no. 1 is on eradicating poverty. Explain how
appropriate technology may be used to achieve this end. [10 marks]
- (b) As a community development worker, explain how you would contribute to the
development of technology. [10 marks]
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