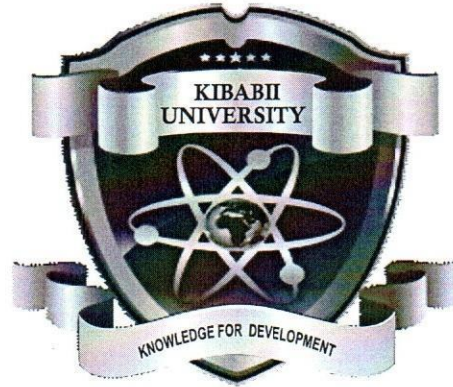


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(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

FOURTH YEAR 2ND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE
ECONOMICS AND RESOURCE MANAGEMENT**

COURSE CODE: IAE 491
COURSE TITLE: TECHNOLOGY AND MODERN INDUSTRIAL
SOCIETY

DATE: 17TH JANUARY 2022 **TIME:** 8 – 10 AM

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and any other TWO Questions.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

Question One

- a) Highlight the distinguishing characteristics of modern industrial society (5 Marks)
- b) Describe the basic elements of an innovation (3 Marks)
- c) Describe the technology acceptance model as a mechanism of technology diffusion (5 Marks)
- d) Briefly discuss ways through which the modern society have benefited from the development in telecommunications (5 Marks)
- e) Explain how distortions in factor prices have resulted into inappropriate choices of technology in developing countries. (5 Marks)
- f) Describe the categories of adopters of an innovation as suggested by E, M Rodgers 1962 (5 Marks)
- g) Discuss the technological changes during the Industrial revolution (2 Marks)

Question Two

Examine the impact of technological change on modern industrial man as producer and consumer (20 marks)

Question Three

Discuss the role of technology in globalization (10 Marks)

Discuss the factors that have contributed to the adoption of the innovation systems concept in agriculture in sub-Saharan Africa. (10 Marks)

Question Four

Kenya uses both appropriate and inappropriate technology in the agricultural sectors. Choose one agricultural sub-sector of your choice, identify and discuss both appropriate and inappropriate technology being used in that sector (20 Marks)

Question Five

Examine some of the major factors that have contributed to Africa's technological poverty and dependence. Suggest some remedies that you think can alleviate the situation. (20 Marks)