

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

MAIN/EMBU

FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN
DISASTER MANAGEMENT

DIMA 00235: TECHNOLOGICAL FORECASTING AND MANAGEMENT

STREAMS: CERT (DIMA) Y1S3

TIME: 2 HOURS

DAY/DATE: THURSDAY 25/03/2021

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- *Answer questions ONE and any other two questions*

Question one

- (a) Define the following terms (10 marks)
- (i) Technology
 - (ii) Technological change
 - (iii) Technology transfer
 - (iv) Hardware
 - (v) Software
- (b) Explain the **three** components of technology (10 marks)
- (c) Discuss the various forms of technology assessment (10 marks)

Question two

Transfer of technology involves both the transfer of knowledge and the demonstrated ability of the receiving entity to perform the critical elements of the transfer to the satisfaction of the regulatory bodies. Explain the critical areas that must be considered (20 marks)

Question three

Good predictions and warnings save lives, reduce damage and economic losses. As a county Disaster Management Officer you have been asked to prepare a program for enhancing the County's capability to predict atmospheric, hydrologic and geological hazards. Explain what you will include in the program. (20 marks)

Question four

Technology runs our lives these days. Using relevant examples, discuss (20 marks)

Question five

- (i) Explain the **three** categories of technological knowledge (10 marks)
 - (ii) Explain **three** levels of technological knowledge (10 marks)
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