THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A   P.O. Box 908

30100 ELDORET – Kenya

Telephone: 0728 458276

GABA CAMPUS

MAIN EXAMINATION

MAY – JULY 2016 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

CMT 401: HUMAN COMPUTER INTERFACE

Date: May - July 2016	**Duration: 2 Hours**
Instructions: Answer Question ONE and ANY other TWO	

QUESTION ONE
Define "human-computer interface (HCI)," and explain the components which make up an HCI system.   **(30 Marks)**

QUESTION TWO
Describe the structure of human memory and show how HCI designing relates to it.
(20 Marks)

QUESTION THREE
Briefly outline the evolution of HCI research and practice.   **(20 Marks)**

QUESTION FOUR
Usability is the prime objective of a designer.
a) Show how you can use the attributes of usability in designing an HCI interface.
(10 marks)

b) How would you evaluate these usability attributes   **(10 Marks)**

QUESTION FIVE
Using an example, evaluate the relevance of hierarchical task analysis in the determination of user needs in HCI.
(20 Marks)

END

ISO 90001:2009 Certified by the Kenya Bureau of Standards.