



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF COMMUNITY
HEALTH & DEVELOPMENT
1ST YEAR 2ND SEMESTER 2016/2017 ACADEMIC YEAR
KENDU BAY LEARNING CENTER

COURSE CODE: SCS 416:

COURSE TITLE: HUMAN COMPUTER INTERACTION

EXAM VENUE:---

STREAM: BSc. CHD

DATE: 19/12/16

EXAM SESSION: 9.00 – 11.00 AM

TIME : 2.00 HOURS

Instructions:

- 1. Answer Question one (Compulsory) and any TWO questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A: ANSWER ALL QUESTIONS {30 MARKS}

QUESTION 1:

- a) Briefly describe what the two terms mean as used in Human Computer Interaction (HCI)
(6 Marks)
 - (i). Response Time
 - (ii). User think time
- b) Video conferencing is becoming very common in terms of applicability in our society today. Identify some of the challenges facing this technology. (6 Marks)
- c) What are some of the advantages that sound feedback provides? (8 Marks)
- d) Discuss some of the risks encountered as a result of the development of computer technology to humanity and Organizations. (10Marks)

SECTION B: ANSWER ANY TWO QUESTIONS {20 MARKS, EACH}

QUESTION 2:

- a) Touch screen technology has been on the rise in recent years. Discuss the features that have contributed to this trend. (10 Marks)
- b) Briefly describe *any five* applications of pointing devices in computer applications. (10 Marks)

QUESTION 3:

- a) State *any five* guidelines to be considered when designing an online help system. (5 Marks)
- b) The visual display unit (VDU) has become the primary source of feedback to the user from the computer. Identify *any five* important features of a Visual Display Unit. (5 Marks)
- c) Identify and briefly describe *any five* types of display units. (10 Marks)

QUESTION 4:

- a) State and briefly explain *any three* different types of keyboard Layout (5Marks)
- b) The online manuals have their own share of negative aspects. Identify and discuss *at least five* of them. (15 Marks)

QUESTION 5:

- a) Identify factors influencing response time. (6 Marks)
- b) Give any five factors to be considered in designing with respect to response time? (6 Marks)
- c) State some of the effects brought up as a result of response time .(8 Marks)