JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

BA Y4S2

Human computer Interaction Examination

UNIT CODE: SCS 416

ANSWER QUESTION ONE AND ANY OTHER TWO

Question one

a) Define the following terms as used in HCI

i.   Visual affordance   (2mk)
ii. Drop down menu and drop down button   (2mk)
iii.   Combo box   (2m)
iv.   Dialogue box   (2mk)

b) Outline the features of the following HCI design methodologies

i.   User-centered design (3mk)
ii. Principles of User Interface Design (3mk)
c)   Describe any three types of human computer dialogue environments (6mk)
d)   suggests three guidelines for presentation and layout design for effective inputs and outputs(6mk)

Question Two

Describe any 10 ten ways through which Users' memory load can be reduced to enhance usability

(20mk)

Question Three

a) Write how the following emerging trends affect HCI design   (12mk)

i. Ubiquitous communication
ii. High functionality systems.
iii. Mass availability of computer graphics Mixed media
iv. High-bandwidth interaction. Large and thin displays.
v. Information Utilities

b) Discuss the factors that are likely to influence the future of HCI   (8mk)

Question Four

a) Explain the concept of loop interaction as used in Human computer interaction and outline its aspects   (13mk)
b) During modeling user interface ,it is important to consider various types of users .Explain how these types of users can be classified   (7mk)

Question Five

Assuming that you are developing an ecommerce website, describe the various principles of display design that you likely to employ to improve the site interactivity   (20mk)

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HCI

COURSE OUTLINE

Course Title: Human Computer Interaction

Course code: SCS 416

Course Lecturer: *AbilajamesOnyango*

Aim

The course aims at giving an understanding of the nature of human computer interaction and skills applicable for business solutions.

Objectives:

The Course unit will enable learners to:

- i.   Understand nature of human computer interactions
- **ii.**   Design business HCI environments

Course Content:

Principles of HCI

Modeling user interaction

Window management systems design

Help systems

Evaluation techniques

Computer supported collaborative work

Learning Outcome

i.   Gain understanding of principles of HCI
ii. to be skilled in designing HCI for business applications

Teaching Learning Materials/Resources

i.   Computers
ii.   Ms publisher 2010
iii. Internet connectivity
iv.   Removable storage devices; Flash disks, CD-R.

Evaluation

i.	*Written Assignments*	*15%*
ii.	*Project*	*15%*
iii.	*Exams*	*70%*
iv.	*Total:*	*100%*

Reading List

Ms office suite software(2007,2010,web office)