

KIBABII UNIVERSITY COLLEGE (KIBUCO)

UNIVERSITY EXAMINATIONS

SEMESTER 1,2012/2013 ACADEMIC YEAR

FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY

COURSE CODE:ITC 010

COURSE TITLE:INTRODUCTION TO ICT

DATE:

TIME:

Instructions to candidates

- Answer QUESTION ONE AND TWO (Compulsory) and any other three.
- Question ONE carries 32 Marks and the rest 13 marks each.

QUESTION 1(16 marks)

a) Define the following terms;

- i. ICT
- ii. PC
- iii. Computer Security
- iv. Hardware
- v. Software
- vi. Communication
- vii. Diagnostic software
- viii. System software

(18mks)

2 a) Differentiate Application software from System software giving examples in each case
(2 ½ mks)

b) An Operating System has the following characteristics

- i. Real time
- ii. MultiUser
- iii. Time Shairing

Briefly describe giving an example in each case

(2 ½ mks)

c) Define Computer security and describe the various security measures on a computer system.
(4mks)

d) Briefly describe various windows buil in troubleshooting toolkit
(5mks)

QUESTION 3 (13 MARKS)

- a) Define Listening (3mks)
- b) Briefly describe basic skills of a manager and forms of communication
(1mks)
- c) Differentiate a Notebook computer from a palm top computer (6mks)
- d) Briefly describe strategies of effective communication and types of communication
(3mks)

QUESTION 4 (13 MARKS)

- a) Briefly describe the components of a computer system.
(6mks)
- b) Briefly describe the usage of ICT in daily life. (6mks)
- c) Define communication and describe types of communication in organisation
(1mks)

QUESTION 5 (13 MARKS)

- a) Briefly describe the following characteristics of the operating system
 - i. Time Sharing
 - ii. Real time
 - iii. MultiUser

(5mks)
- b) List and describe three types of software giving an example in each case. **(4mks)**
- c) Briefly describe the wireless technologies. **(4mks)**

QUESTION 6 (13 MARKS)

- a) List and describe types of communication in an organisation **(3mks)**
- b) Briefly describe the following portable devices
 - i. Notebook computer
 - ii. Embedded computer
 - iii. Laptop computer

(4mks)

c) List and describe the benefits of ICT

d) Define PC trouble shooting

e) Describe measures to be taken in solving hardware and software problems on the PC
(6mks)

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SUPPLEMENTARY EXAMINATIONS

SEMESTER 1,2012/2013 ACADEMIC YEAR

FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY

COURSE CODE:DSC ITC 010

COURSE TITLE:INTRODUCTION TO ICT

DATE:

TIME:

Instructions to candidates

- Answer QUESTION ONE AND TWO (Compulsory) and any other three.
- Question ONE carries 32 Marks and the rest 13 marks each.

Section A(Compulsory)

(28mks)

- An operating system has the following characteristics
 - Time shairing
 - Real time
 - MultiUser .

Briefly describe giving an example in each case.

(7mks)

- Define Computer security and describe the various security measures on a computer system.

(7mks)

- Describe various windows inbuilt troubleshooting kit

(7mks)

- Discuss problems and benefits from use of the internet

(7mks)

Section B (Answer any three questions)

1. a)Describe the benefits of ICT.

(7mks)

- b) Describe the strategies of effective communication in an organisation(6mks)

2) a) Describe the wireless technologies. (6mks)

b) Describe the components of a computer system (4mks)

c) List and describe types of softwares giving an example in each case (3mks)

3) a) Describe various windows inbuilt troubleshooting toolkit (7mks)

b) Describe the various forms of communication in an organization (6mks)
(7mks)

4) a) Describe various windows inbuilt troubleshooting toolkit.

(6mks)

b) Describe the strategies of effective communication in an organisation (7mks)

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UNIVERSITY EXAMINATIONS

SEMESTER 1,2012/2013 ACADEMIC YEAR

FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY

COURSE CODE:ITC 013

COURSE TITLE:INTERNET APPLICATIONS

DATE:

TIME:

Instructions to candidates

- Answer QUESTION ONE AND TWO (Compulsory) and any other three.
- Question ONE carries 32 Marks and the rest 13 marks each.

QUESTION 1(16 marks)

a) Define the following terms;

- Internet Access Provider
- HTML
- Network Operating System
- Editor
- URL
- Network
- Internet
- Web browser

(18mks)

2) a) Differentiate a cookie from a web browser giving an example in each case

(2 ½ mks)

b) Define HTML and describe the basic structure of a HTML document

(7½ mks)

c) Discuss the problems arising from internet use.

(4mks)

QUESTION 3 (13 MARKS)

e) Describe the hardware and software devices that are essential in setting up the internet

(3mks)

f) Describe the basic syntax of HTML document (2mks)

(2mks)

g) List and describe problems arising from use of the internet (6mks)

QUESTION 4 (13 MARKS)

d) Compare wireless and cabled networks (6mks)

e) Define a cookie. (2mks)

f) List internet access providers for internet services 4mks

g) Describe various ways of advertising on the internet (1mks)

QUESTION 5 (13 MARKS)

d) Describe how to write your HTML files on your PC (2mks)

(5mks)

e) Describe the basic applications of the internet. (4mks)

f) Describe the basic structure of HTML document. (2mks)

QUESTION 6 (13 MARKS)

a) Briefly describe various ways of connecting to the internet (2mks)

b) Compare cabled network with wireless networks (4mks)

C)Distinguish a web page from a cookie(3mks)

d)Describe methods of accessing computer and locating information on the internet (6mks)

SUPPLEMENTARY EXAMINATIONS

SEMESTER 1,2012/2013 ACADEMIC YEAR

FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY

COURSE CODE:DSC ITC 013

COURSE TITLE:INTERNET APPLICATIONS

DATE:

TIME:

Instructions to candidates

- Answer QUESTION ONE AND TWO (Compulsory) and any other three.
- Question ONE carries 32 Marks and the rest 13 marks each.

Section A(Compulsory)

(28mks)

i. Define HTML and describe the basic structure of HTML document.

(7mks)

ii. Describe methods of accessing the computer and locating files

(7mks)

iii. Discuss the problems associated with use of the internet

(7mks)

iv. Differentiate a cookie from a web browser giving an example in each case

(7mks)

Section B (Answer any three questions)

1a) Describe the procedure of writing HTML file on your PC (6mks)

b) Compare cabled with wireless networks (7mks)

2) a) Describe methods of accessing computer and locating files

(7mks)

b) Give a brief description of the history of the internet. (6mks)

3) a) Discuss the problems that internet users experience (7mks)

b) Briefly describe various ways of advertising on the internet (6mks)

4) a) Compare cabled with wireless networks (6mks)

b) Discuss the problems that internet users experience

(7mks)

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UNIVERSITY EXAMINATIONS

SEMESTER 1, 2012/2013 ACADEMIC YEAR

FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY

COURSE CODE: ITC 014

COURSE TITLE: COMPUTER SYTSTEMS MAINTENANCE

DATE:

TIME:

Instructions to candidates

- Answer QUESTION ONE AND TWO (Compulsory) and any other three.
- Question ONE carries 32 Marks and the rest 13 marks each.

QUESTION 1(16 marks)

a) Define the following terms;

- Data
- Data Protection
- Virus
- Diagnostic Software
- computer
- Antivirus
- Hardware conflict
- Trouble shooting

(18mks)

2 a) Briefly describe a device driver giving an example **(2 ½ mks)**

b) Briefly describe the inbuilt diagnostic software in windows operating system **(7½ mks)**

c) Describe measures to ensure data protection **(4mks)**

QUESTION 3 (13 MARKS)

- Differentiate POSTt Visual error codes from POST Audio error codes
(3mks)
- Define Hardware conflicts and briefly describe methods of provision of computer system security
(6mks)
- List the antivirus programs on the market today **(4mks)**

QUESTION 4 (13 MARKS)

- i. Distinguish BIOS from CMOS (6mks)
- ii. Describe the General purpose diagnostic programs (6mks)
- iii. Describe measures to overcome hardware conflicts (1mks)

QUESTION 5 (13 MARKS)

- a) Briefly describe risks posed by viruses
 - i. (5mks)
- b) Describe sources of viruses. (4mks)
- c) Briefly describe measures of detection and removal of viruses (4mks)

QUESTION 6 (13 MARKS)

- a) Briefly describe how to carry out system cleaning on the computer system (3mks)
- b) Describe measures to ensure data protection (4mks)
- C) Briefly explain methods of provision of computer system security

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**SUPPLEMENTARY EXAMINATIONS
SEMESTER 1,2012/2013 ACADEMIC YEAR**

FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY

COURSE CODE:DSC ITC 014

COURSE TITLE:COMPUTER SYSTEMS MAINTENANCE

Instructions to candidates

- Answer QUESTION ONE AND TWO (Compulsory) and any other three.
- Question ONE carries 32 Marks and the rest 13 marks each.

Section A(Compulsory) (28mks)

- i. **Define data protection and measures to safeguard data**
(7mks)
- i. Differentiate POST visual error codes from POST Audio error codes
(7mks)
- ii. Define Hardware conflicts and briefly describe measures to safeguard computer security
(7mks)
- iii. Define diagnostic software and Describe general purpose diagnostic software

(7mks)

Section B (Answer any three questions)

1a Define Hardware conflicts and briefly describe measures to safeguard computer security (7mks)

b)List sources of viruses and briefly describe measures of detection and removal of viruses (7mks)

2) a) Define diagnostic software and Describe general purpose diagnostic software

(6mks)

b)Briefly explain methods of provision of computer system security (6mks)

c)List the general purpose diagnostic programs (2mks)

3) a) Briefly describe measures of detection and removal of viruses (7mks)

b) Briefly explain methods of provision of computer system security (6mks)