



TECHNICAL UNIVERISTRY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATIONS FOR DEGREE IN:
BACHELOR OF SCIENCE IN FOOD TECHNOLOGY & QUALITY ASSURANCE
BACHELOR OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY

EIT 4152: INFORMATION TECHNOLOGY I

END OF SEMESTER EXAMINATION

SERIES: APRIL 2015

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions.

Attempt question **ONE (Compulsory)** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One (Compulsory)

- a) Explain the following types of computers **(6 marks)**
- (i) Mainframe Computers
 - (ii) Super Computers
 - (iii) Micro Computers
- b) Briefly describe steps of creating a short-cut in Ms-Windows **(4 marks)**
- c) Explain the components of information security **(3 marks)**
- d) Distinguish the following commands as used in word processing **(3 marks)**
- (i) Save and Save As
 - (ii) Copy and Cut
 - (iii) Print and Print Preview
- e) Explain the following terms as used in internet connectivity **(6 marks)**
- (i) Internet service provider
 - (ii) Subnet mask
 - (iii) Domain name service
- f) Describe the main features of the first four computer generations **(8 marks)**

Question Two

- a) List TWO examples of input devices under the following categories: **(4 marks)**
(i) Pointing devices
(ii) Scanning devices
- b) Explain any THREE data types of Ms-Access **(6 marks)**
- c) Explain the FOUR main steps involved in creating a chart in Ms-Excel **(4 marks)**
- d) Distinguish the following memories: **(6 marks)**
(i) RAM and ROM
(ii) PROM and EPROM
(iii) CD-ROM and DVD-ROM

Question Three

- a) Differentiate between a digital computer and an analogue computer **(2 marks)**
- b) Differentiate the following terms as used in Excel: **(6 marks)**
(i) Absolute reference and relative reference
(ii) Worksheet and workbook
(iii) Formula and function
- c) List the two parts of a processor and give its functions **(6 marks)**
- d) Describe any THREE objects of Ms-Access **(6 marks)**

Question Four

- a) Highlight any THREE application areas of spreadsheet. **(3 marks)**
- b) Distinguish between: **(6 marks)**
(i) System software and application software
(ii) Primary storage and secondary storage
(iii) Impact and non-impact printer
- c) Outline the sections of a Ms-Access report **(5marks)**
- d) Discuss any THREE software utilities **(6 marks)**

Question Five

- a) Explain each of the following mouse click events and give their functions: **(6 marks)**
(i) Click
(ii) Double click
(iii) Right click
- b) List any TWO advantages of application packages **(2 marks)**
- c) Discuss the main classification of printers and state ONE example in each category **(6 marks)**
- d) Differentiate between each of the following terms:

- (i) Word-wrap and drop cap
- (ii) Undo and redo
- (iii) Backspace and delete keys

(6 marks)