



TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

PRECERTIFICATE IN INFORMATION TECHNOLOGY
(PCIT 13M)

EIT 1001: FUNDAMENTALS OF COMPUTERS & OPERATING SYSTEMS

END OF SEMESTER EXAMINATION

SERIES: AUGUST 2013

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** and any other **TWO** questions
 Maximum marks for each part of a question are as shown
 This paper consists of **THREE** printed pages

Question One (Compulsory)

a) Identify the type of input the devices produce. Tick (\checkmark) in the appropriate column.(6 marks)

DEVICES	TEXT	AUDIO	GRAPHICS	PRINTING	VIDEO
Microphone					
Keyboard					
Webcam					
Scanner					
Recorder					
Mouse					

b) State **TWO** types of primary storage and give characteristics of each. (6 marks)

c) Discuss **FIVE** functions of operating systems (10 marks)

d) Discuss **FOUR** factors to be considered when selecting operating system. (8 marks)

Question Two

a) Discuss how to restore a deleted file. (3 marks)

b) Discuss **FIVE** items found on the start menu (10 marks)

c) Describe how date and time is changed on a computer (4 marks)

d) Define a folder and describe how to create a folder in a flash disk. (3 marks)

Question Three

a) Describe **THREE** ways of moving a file from the desktop to my documents. (6 marks)

b) State and explain **FIVE** types of operating systems. (10 marks)

c) Give the functions of the following keys on the keyboard. (4 marks)

- (i) Windows key
- (ii) End
- (iii) Home
- (iv) Escape

Question Four

a) Discuss the **THREE** components of the CPU clearly stating their functions. (12 marks)

b) Explain **THREE** factors used to differentiate operating systems. **(6 marks)**

c) State **TWO** examples of system software **(2 marks)**

Question Five

Convert the following storage to the particular measurement. **(20 marks)**

- (i) 2GB = MB
- (ii) 2048KB = Bytes
- (iii) 2GB = KB
- (iv) 1024MB = GB
- (v) 10GB = MB
- (vi) 2000KB = MB
- (vii) 3MB = KB
- (viii) 4800MB = GB
- (ix) 16MB = Bytes
- (x) 1000GB = MB