



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
TECHNOLOGY

CERTIFICATE IN INFORMATION TECHNOLOGY
(CITM/SEP 2012/S-FT Y1 S1)

ECS 1132: COMPUTER LAB PRACTICE

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: FEBRUARY 2013

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer question **ONE (COMPULSORY)** 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) What is the major reason why we need to learn about safety rules in the computer lab? (2 marks)
- b) State **FIVE** reasons why training for IT Professional is important. (5 marks)
- c) Explain the **FOUR** basic types of fire extinguishers. (8 marks)
- d) Name any **FIVE** major categories of computer lab practices with regard to their activity. (5 marks)
- e) What do the following computer PC basic components mean?
 - (i) AGP
 - (ii) ISA
 - (iii) Joystick
 - (iv) VLB
 - (v) Combo-box (5 marks)
- f) What safety measure must one take before opening computer casing? (2 marks)
- g) What is the difference between a computer “Hacker” and “Cracker” (3 marks)

Question Two

- a) Name and explain the **FIVE** deliberate threats to our data and computer. (10 marks)
- b) State the **THREE** components of viruses generally. (3 marks)
- c) What is the difference between the ATA & SATA hard disk. (2 marks)

Question Three

- a) Explain the factors that have to be determined before we dispose our computer equipments. (8 marks)
- b) Explain the disposal methods of our computer equipments. (5 marks)
- c) What is computer booting? (2 marks)

Question Four

- a) We have troubleshooting technique for our computer systems. Thus how would you solve the following errors by giving their solutions:
 - (i) Error message: “Windows/System32/Config/System”
File missing or corrupt. (5 marks)
 - (ii) Task Manager Disabled. (5 marks)
 - (iii) The picture does not appear (3 marks)
 - (iv) The screen is not synchronized. (2 marks)

Question Five

- a) State and explain the **FOUR** basic categories of viruses. (4 marks)
- b) What is computer security and privacy? (3 marks)

c) Explain the following data security threats.

- (i) Phishing
- (ii) Zombies
- (iii) Worms
- (iv) Denial of service

(8 marks)