



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN TOURISM AND HOSPITALITY (DTM & DCAM)

EIT 2101: COMPUTER APPLICATIONS
(Theory)

END OF SEMESTER EXAMINATIONS

SERIES: AUGUST/SEPTEMBER 2011

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer booklet*

Answer question **ONE (COMPULSORY)** in section **A** and any other **TWO** questions from section **B**

This paper consists of **THREE** printed pages

SECTION A (30 marks)

Question 1 (Compulsory)

- a) Describe **TWO** types of operating systems based on interface, giving an example for each (4 marks)
- b) Briefly explain the **THREE** main components of the Computer system Unit (6 marks)
- c) Explain any **TWO** functions of the operating system (4 marks)
- d) State **TWO** Disk Maintenance tasks (2 marks)
- e) State any file editing tasks in word processing (4 marks)
- f) State any **FOUR** formatting tasks in word processing (4 marks)
- g) State **TWO** functional applications of word processing (2 marks)
- h) Explain the following formulas used in spreadsheets (4 marks)
 - (i) = SUM(G5:G20)
 - (ii) = ROUND(AVERAGE(F3:K3),2)

SECTION A (30 marks)

Question 2

- a) State any **FOUR** uses of spreadsheets (4 marks)
- b) Explain the differences between the following terms as used in spreadsheets:
 - (i) “Absolute Cell Address” and “Relative Cell Address”
 - (ii) “Formulas” and “Functions” (8 marks)
- c) Explain the use of the following features of spreadsheets:
 - (i) Cell
 - (ii) Worksheet
 - (iii) Sheet tab (6 marks)
- d) State **TWO** category types of keyboard keys (2 marks)

Question 3

- a) Distinguish between warm booting and cold booting (4 marks)
- b) Briefly explain any **FOUR** types of System Utilities (4 marks)
- c) Describe **TWO** mouse operations in windows environment (4 marks)

- d) Outline the Procedure for achieving the following operations in windows XP
- (i) Creating a new folder called “TEST” in My Documents (4 marks)
 - (ii) Searching a Word Document file whose first character is “W” with extension “DOC” using wild cards (4 marks)

Question 4

- a) Outline the steps to perform the following windows operations
- (i) Disk Defragmentation (4 marks)
 - (ii) Check available Disk space (3 marks)
 - (iii) Change the system time and Date (7 marks)
 - (iv) Sending the computer to sleep mode (3 marks)
 - (v) Cancel Print jobs (3 marks)

Question 5

- a) Briefly explain the Computer Generations in the development history (10 marks)
- b) State **FIVE** factors to be considered when acquiring computer hardware (5 marks)
- c) State at least **FIVE** application areas of computers (5 marks)