



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION TECHNOLOGY – CIT 2K 11S

EIT 1122: FUNDAMENTAL OF COMPUTER OPERATING SYSTEM

END OF SEMESTER EXAMINATIONS

SERIES: DECEMBER 2011

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions in **TWO** sections **A & B**

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

SECTION A (COMPULSORY)

Question one 30 marks

- a) Define a computer [2marks]
- b) Define computer software and explain the **TWO** classification of software [6marks]
- c) Explain the following terms as used in operating system [6marks]
 - i. Multiprogramming
 - ii. Multiprocessing
 - iii. Multitasking
- d) Highlight uses of Secondary Storage devices [3marks]
- e) Computer memory is classified into two, describe the two classification [4marks]
- f) Highlight the Uses of Output Units [4marks]
- g) Explain the factors that influence the choice of data collection method and medium. [5 marks]

SECTION B (ANSWER ANY TWO QUESTIONS)

Question two 15 marks

- a) You are an IT Specialist in a Busy IT consultant company; explain factors that you will advice the user to pay attention to before buying a particular hardware. [5marks]
- b) Mouse is pointing device that is widely used, explain the various uses of the mouse as an input device [3marks]
- c) Outline functions of an operating system. [5marks]
- d) Write down the procedure followed when creating a folder in windows explorer [2marks]

Question three 15 marks

- a) Write short notes on the following input devices [10mark]
 - i. Optical Mark Reader (OMR):
 - ii. Touch Screen:
 - iii. Magnetic ink character recognition (MICR)
 - iv. Digital Cameras:
 - v. Optical character recognition (OCR)
- b) Explain the **two** broad types of Operating Systems [5mark]

Question four 15 marks

- a) Describe three Operating System Techniques that enable user(s) to concurrently share single or multiple CPU [9marks]
- b) Secondary Storage devices are said to supplement primary storage, highlight other two uses of secondary storage. [2marks]
- c) Write short notes of the following storage media [4marks]
- i. Floppy Disk
 - ii. Hard Disk

Question five 15 marks

- a) With an Aid of a diagram explain functions of computer system touching on Input, processing, storage and output giving example in each case. [7marks]
- b) Explain **three** types of Optical disks [6marks]
- c) Write down the procedure followed to copy and paste a document from one drive to another [2marks]