



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION TECHNOLOGY – DIT 2K 11M

ECT 2101: COMPUTER WORKSHOP PRACTICE

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: OCTOBER 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

Maximum marks for each part of a question are clearly shown.

This paper consists of **TWO** printed page

QUESTION 1

- a) What is a computer lab? (2 Marks)
- b) State the general rules in any computer lab. (5 Marks)
- c) State the importance of computer Safety and Ergonomics. (5 Marks)
- d) Discuss the four categories of computer viruses. (8 Marks)

QUESTION 2

- a. What is the basic function of the motherboard? (5 Marks)
- b. Discuss the various Security Control Measures. (15 Marks)

QUESTION 3

You have gotten a job in an institution as a Computer Lab technician. Discuss the various ways you will ensure that the computer lab is safe for use by students. Particularly discuss cabling, seating and the protocols that students should follow while in the lab. (20 Marks)

QUESTION 4

Discuss the importance of computer ergonomics within an institution citing practical explanations where possible. (20 Marks)