



MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRSR YEAR EXAMINATION FOR
CERTIFICATE IN ELECTRICAL ENGINEERING
DIPLOMA IN MECHANICAL ENGINEERING
SUPPLEMENTARY/SPECIAL EXAMINATION
SCU 101: INTRODUCTION TO COMPUTERS

DATE: 30/8/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

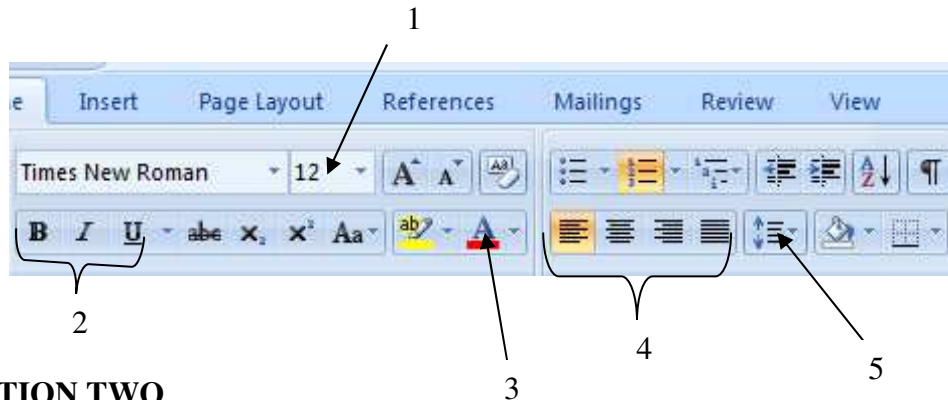
This paper consists of FIVE questions

Answer question one and other two questions in this paper

QUESTION ONE (COMPULSORY)

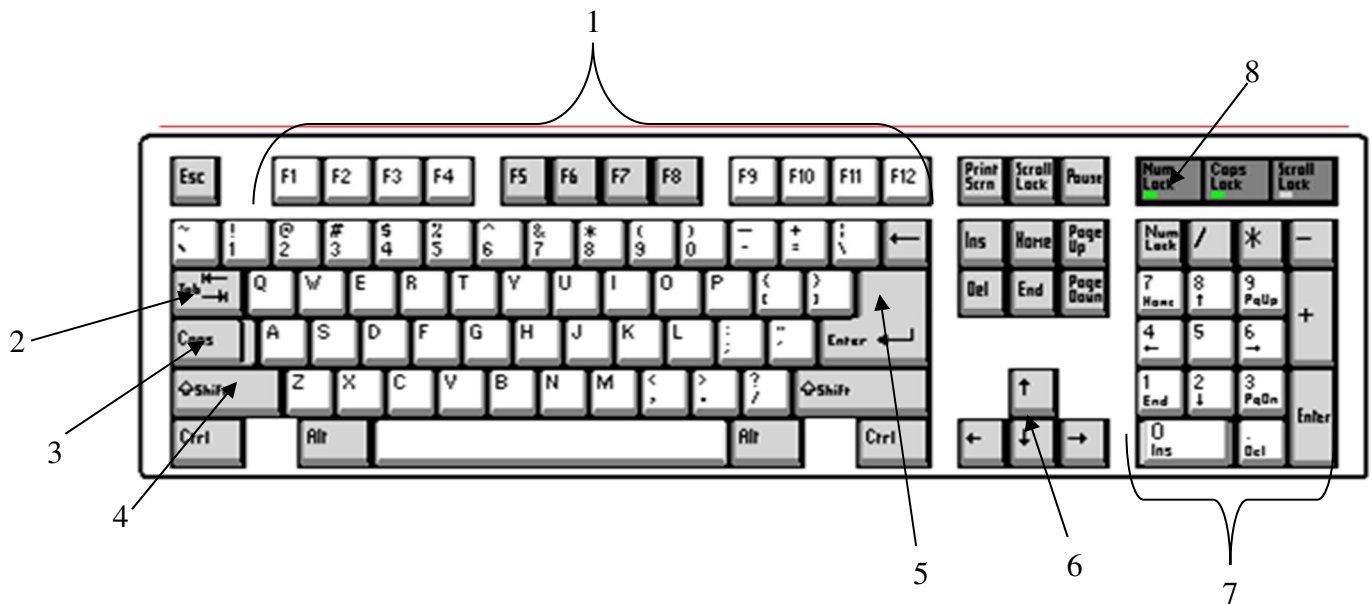
- a) Describe the following types of computers
 - i. Super computers (2 marks)
 - ii. Minicomputers (2 marks)
 - iii. Microcomputers (2 marks)
- b) Define the following terms as used in ICT.
 - i. Folder (2 marks)
 - ii. GIGO (2 marks)
- c) Giving an example in each case, Explain the two types of computer software. (6 marks)
- d) **State** any **four** configurations that can be done through control panel window (4 marks)

- e) Explain the function of the following tools (10 marks)



QUESTION TWO

- a) Define the following terms as used in information technology.
- Desktop (2 marks)
 - Window (2 marks)
 - Icon (2 marks)
- b) Explain two roles played by I.C.T in a learning institution. (4 marks)
- c) Explain the functions of the numbered keys (8 marks)



- d) Outline the computers classified according to technology (2 marks)

QUESTION THREE

- a) Explain the use of the following shortcut commands as used in word processing(8 marks)
 - i. Ctrl + X
 - ii. Ctrl + Y
 - iii. Ctrl + B
 - iv. Ctrl + E
- b) State **any two** categories of input devices giving an example in each case. (4 marks)
- c) Explain the **two** types of primary storage/memory. (4 marks)
- d) Explain **any two** configuration specification to consider when acquiring a computer system. (4 marks)

QUESTION FOUR

- a) Explain the **relationship** between Data, Information and Processing (6 marks)
- b) Describe optical and magnetic media as used in secondary storage devices (4 marks)
- c) Discuss the **three** major components of a computer system (6 marks)
- d) Highlight two **advantages** and **disadvantages** of computerization (4 marks)

QUESTION FIVE

- a) Differentiate the following pair of terms in relation to computers:
 - i. Soft copy output and Hard copy output
 - ii. Save and Save As
 - iii. Move and copy
 - iv. Cold boot and warm boot (8 marks)
- b) Explain the term ICT as used in computers (2 marks)
- c) Explain the **three** components of the computer CPU (6 marks)
- d) Describe the two types of application software (4marks)