THE CATHOLIC UNIVERSITY OF EASTERN AFRICA



A. M. E. C. E. A

MAIN EXAMINATION

P.O. Box 62157 00200 Nairobi - KENYA Telephone: 891601-6 Fax: 254-20-891084 E-mail:academics@cuea.edu

JANUARY – APRIL 2018 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF COMPUTER AND LIBRARY SCIENCE

REGULAR PROGRAMME

CMT 101: COMPUTER HARDWARE AND SOFTWARE

Date: APRIL 2018Duration: 2 HoursINSTRUCTIONS: Answer Question ONE and any other TWO Questions

Q1.	a)	Differentiate between CPU and Chipset and clearly give their functions. (2 marks)
	b)	Explain what the following Acronyms are in computing (6 marks)
		i) SIMM v) PCI ii) SATA vi) IDE iii) DIMM vii) CMOS
	c)	Outline the TWO major classifications of storage and give an example of each (4 marks)
	d)	List and explain THREE methods of improving performance in a Processor (6 marks)
	e)	Outline and explain the THREE major components of a processor (6 marks)
	f)	Outline the various Simple things that are done to solve overheating problems in a computer (6 marks)
Q2.	a)	What are the FIVE questions to ask when upgrading the memory of a computer (10 marks)

Cuea/ACD/EXM/JANUARY – APRIL 2018 / COMPUTER / LIBRARY SCIENCE

Page 1

ISO 9001:2008 Certified by the Kenya Bureau of Standards

	b)	Outline the FIVE major precautions to take when installing modules	g new memory (5 marks)
	c)	List and explain some of the trouble shooting tasks for mem-	ory problems (5 marks)
Q3.	a)	Explain what SCSI is Technology	(4 marks)
	b)	Outline the main advantages and disadvantages of Fibre technology	channel SCSI (6 marks)
	c)	List and explain the precautions to take when handling CI BDs	Ds, DVDs, and (7 marks)
	d)	Outline THREE methods that can be used to Protect private drives	e data on hard (3 marks)
Q4.	a)	List the most important points to consider when caring for No	ote books (15 marks)
	b)	Outline THREE methods that are used to install a printer	(3 marks)
	c)	Name two ways in which one can use in Extending printer w	orking life (2 marks)
Q5.	a)	When upgrading a computer, list the steps on how on Dealing with unrecognized add-on or error message?	e goes about (7 marks)
	b)	What are the Factors that affect capacity, features, and pe DIMM	rformance in a (8 marks)
	c)	Differentiate between SRAM and DRAM	(5 marks)

END

ISO 9001:2008 Certified by the Kenya Bureau of Standards