



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATION SYSTEMS
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION
ARTS –WITH IT
1ST YEAR 1ST SEMESTER 2015/2016 ACADEMIC YEAR
KORU LEARNING CENTRE

COURSE CODE: SCS 3111

COURSE TITLE: INTRODUCTION TO COMPUTERS

EXAM VENUE:

STREAM:ECDE

DATE: 25/04/2016

EXAM SESSION: 2.00-4.00PM

TIME: 2 HOURS

Instructions:

- 1. Answer question 1 (compulsory) and any other 2 questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

QUESTION ONE

- a) Differentiate the following terms
 - a. Soft copy and Hard copy
 - b. Cold Booting and Warm Booting
 - c. Analog and Digital Computers (6 Marks)
- b) Discuss any **THREE** types of computer displays available in the market today (6 Marks)
- c) With an aid of a diagram, explain the role of the operating systems (6 Marks)
- d) State and explain any **THREE** factors to consider when purchasing a printer (6 Marks)
- e) State and explain **THREE** differences between RAM and ROM (6 Marks)

QUESTION TWO

- a) State and explain the **FOUR** different types of Read Only Memory (8 Marks)
- b) Discuss the function of the operating system under the following topics
 - a. Processor Scheduling
 - b. Resource Management
 - c. Error Handling (6 Marks)
- c) Classify the following software's as either system or application software; *MSDOS, Microsoft Access, AUTOCAD, UNIX, MySQL, Windows 2000* (3 Marks)
- d) Write the following abbreviations in full;
 - a. BIOS
 - b. POST
 - c. RAM (3 Marks)

QUESTION THREE

- a) State any **THREE** differences between Impact and Non-Impact Printers giving **TWO** examples of each (8 Marks)
- b) State any **SIX** advantages of standard software over in house developed software (6 Marks)
- c) A Compact Disk (CD) capacity is 700MB, how many CDS of 700MB could fit into one Digital Versatile Disk (DVD) of 17GB. Show all your working (6 Marks)

QUESTION FOUR

- a) With an aid of a diagram, state and explain the **THREE** functional areas of the Central Processing Unit (8 Marks)
- b) Scanners are classified according to the technology used to scan. State and Explain any **THREE** types of Optical scanners used for scanning (6 Marks)
- c) Compact Disks are currently available in **THREE** forms. State and explain them (6 Marks)

QUESTION FIVE

- a) State and explain **FIVE** areas where computers are used in a business environment (10 Marks)
- b) Discuss the historical development of computers stating clearly the technology used to develop them and their characteristics (10 Marks)