JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT

1ST YEAR 1ST SEMESTER 2016/2017 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: SCS 2111

COURSE TITLE: INTRODUCTION TO COMPUTER APPLICATIONS

EXAM VENUE: STREAM :(Dip. Community Health& Development

DATE: SEPTEMBER- DECEMBER 2016   EXAM SESSION:

TIME: 11/2 HOOURS

INSTRUCTIONS:
1. **Answer Questions 1 (Compulsory) and ANY other Two(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 (30 MARKS)
   a) State and explain the two main Components of a Computer   (4marks)
   b) Define the term computer program   (2marks)
   c) State the Technology used in Second Generation of Computers to store and process
      information   (1mark)
   d) Distinguish the following computer terms
       i.   ALU and CU   (2marks)
      ii.   Save and Save As   (2marks)
   e) State the Application software that would assist a secretary in preparing internal memo's
      for departmental meetings   (2marks)
   f) Differentiate between Operating System and Service Programs and give an example in
      each case   (6marks)
   g) Outline the five basic hardware units of a computer   (5marks)
   h) Outline the Stepwise procedure of creating a folder on a desktop (2marks)
   i) State the use of the following Keyboard shortcuts
       i.   Ctrl + C
      ii.   Ctrl + P
     iii.   Ctrl + S
      iv.   Alt + F4   (4marks)

QUESTION TWO (20 MARKS)
   a) Computer viruses are destructive programs that attack your files and are designed to
      replicate themselves stealthily from one computer to another, discuss five different ways
      you can prevent your computer from virus attacks.   (10Marks)
   b) Using a computer is generally safe; however there are a number of hazards to avoid.
      Discuss five ways in which to ensure health and safety when using computers. (5 Marks)
   c) Describe five factors you will consider when selecting a computer system.   (5 Marks)

QUESTION THREE (20 MARKS)
   a) Distinguish between Optical media and Removable media using examples   (4Marks)
   b) List and explain any three functions of an operating system   (6Marks)
   c) Explain meaning of the Spreadsheet and state its application areas   (6marks)
   d) Discuss the Benefits of using electronic database to store information   (4marks)

QUESTION FOUR (20 MARKS)
   a) Draw and explain the Computer hardware units interaction diagram   (10marks)
   b) Computers are categorized based on Size, Price and Capabilities. Discuss Characteristics
      of a Supercomputer   (5marks)
   c) Discuss the characteristics of the fifth generation of computers.   (5marks)

QUESTION FIVE (20 MARKS)
(a) Explain what the following e-mail terms mean.
    (i). Junk mail (also known as spam)   (2 marks)
    (ii).Cc (also known as Carbon Copy)   (2 marks)
    (iii). Reply to All   (2 marks)
(b) Describe two precautions you should take when using e-mail and explain why each
    precaution is necessary.   (4 marks)
(c) Discuss advantages of using email compared to Postal office mode of communication (4mrk)
(d) Define the following terms:
        i.   The World Wide Web (WWW)   (2Marks)
       ii.   The Internet.   (2Marks)
      iii.   Web browser   (2Marks)