



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR THE DEGREE IN EDUCATION 1 SEMESTER
YEAR 1
2016/2017 ACADEMIC YEAR

COURSE CODE: SCS 101

COURSE TITLE: INTRODUCTION TO COMPUTER.

EXAM VENUE: STREAM:SEDU-SCI/SNE

DATE: EXAM SESSION: DECEMBER 2016

TIME: 2.00 HOURS

INSTRUCTIONS:

- 1. Answer Question 1 (Compulsory) and ANY other two 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**

DATE: DEC 2016

TIME: 2 HOURS

INSTRUCTIONS

1. Answer **QUESTION ONE** and any other **TWO** questions
2. Be neat and orderly.

QUESTION ONE (Compulsory 30 Marks)

- a) Define the following terms as used in computing. (2 marks)
 - i. BIOS.
 - ii. System internal bus.
 - iii. Utility software
 - iv. CPU.
- b) The third generation of computers experienced major technological development in the history of computing. Describe these technological developments and explain the impacts they had in shaping the history of computing. (4 marks)
- c) i. Explain the term 'computer program'. (1marks)
 - ii. Briefly list and explain any four features of a word processor. (4 marks)
- d) i) Digital and Analog computers. (2 marks)
 - ii) Explain any four types of optical disks. (2 marks)
- e) Define an Operating System and explain any three functions of an Operating system. (3 marks)
- f) Internet is a tool in the implementation of digital firms, in that it brings both tangible and intangible benefits to organization. Using relevant examples, discuss any TWO tangible and TWO intangible benefits of internet in organization. (4 marks)
- g) Explain the following components in computer systems
 - i. MOTHERBOARD (2 marks)
 - ii. POWER SUPPLY UNIT (2 marks)
- h) The internet consists of multiple data system that were developed independently. Some of the popular and important systems are;

- i. E-mail
- ii. Internet
- iii. Batch processing

Discuss the role of each of these systems.

(4 marks)

QUESTION TWO

- a) It is now 2016. You are in Bsc Year 1 semester 1. you are required to defend your project proposal and the following are the preparations you need to make

Produce a word document that has the following

- i. A title page with no number
- ii. The margins should be 1' all round
- iii. Text that is justified, times new roman size 12
- iv. A project timeline (that breaks your tasks) in a word table
- v. Power point presentation file that has a maximum of 8 slides that would act as a visual aid in your presentation.

Describe the procedure of doing all the above as required in preparation for the proposal defense

(8marks)

- b) Examination officers normally create a mark sheet, which they use to record examination marks after students have sat for examinations at the end of the semester. The mark sheet includes the following columns in MS EXCEL in the order given

- i. FIRST NAME
- ii. MIDDELE NAME
- iii. REG NO
- iv. UNITS DONE
- v. ASSIGMENT ONE
- vi. ASSIGNMENT TWO

- vii. CAT ONE
- viii. CAT TWO
- ix. TOTAL MARKS
- x. REMARKS

Required:

- i. Create a word sketch of this tabulated data and include a sample of only three students (2marks)
- ii. Name and explain how you would use one of the functions provided by MS WORD CALCULATION to combine the first name and middle name columns into one column called “Names” which replaces the two columns (3 marks)
- iii. Establish the formulas that generate the column
 - 1) Total marks that includes the CATs and ASSIGNMENTS marks (2 marks)
 - 2) Mean score for the all the students that did the examination (2 marks)
 - 3) Remark(whose output is Grade A-E generated from the total mark where A is 70% and above, B is 60%-69%, C is 50%-59%, D is 40%-49% and E is below 40% (3 marks)

QUESTION THREE

- a) The internet is synonymous with the web. Is this true or false? Discuss (5 marks)
- b) Assume that you are about to graduate with your Bsc **AGRIC BUSINESS**. From your acquired knowledge in word processing, clearly explain how you invite 50 friends by sending them individually addressed letters through the use the available automated process (10 marks)
- c) The word browser is a term that is widely spoken about. Explain in your own words explain it, citing three examples of such.(5 marks)

QUESTION FOUR

- a) Using an elaborate diagram explain the Computer System Components and Functionalities. (10 marks)

- b) Explain five sectors in which the internet has contributed to its development in Kenya (5 marks)
- c) Explain what is **WORD PROCESSOR MAIL MERGING** and name the main steps in Mail Merging processes in **MS WORD** (5 marks).

QUESTION FIVE.

- i. Discuss the Generations of Computers and Computer languages (5marks)
- ii. Discuss the difference between Application software and System software (2marks)
- iii. Discuss Advantages of Computers and disadvantages of computers(8marks)
- iv. Explain some of the application software used in computer applications(5marks)