# MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR
THIRD YEAR SECOND SEMESTER
EXAMINATION**

**SCHOOL OF SCIENCE AND INFORMATION
SCIENCES
UNIVERSITY EXAMINATIONS FOR THE DEGREE
OF BACHELOR OF SCIENCE IN FORESTRY ECO
SYSTEM MANAGEMENT**

**COURSE CODE: FEM 3207**

**COURSE TITLE: INFORMATION TECHNOLOGY
FOR NATURAL RESOURCES**

**DATE: 26TH APRIL, 2019                    2:30-4:30PM**

**INSTRUCTIONS**

Answer Question ONE and any other TWO.

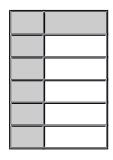**QUESTION ONE (COMPULSORY 30 marks)**
    (a) Explain how computers can be used as a strategic resource in the field of forestry and natural resources.
        **(5 marks)**
    (b) Study the following table containing a sample set of data created in a spreadsheet software. Fill in the table that follows.
        **(5 marks)**

| | |
|---|---|
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| | |
| | |

| Formula | |
|---|---|
| =Count (A1:A5) | |
| =Min (A1:A3, 100) | |
| =Max (A1, A5) | |
| =Average (A1, A3) | |
| =CountA (A1, A5) | |

    (c) You have been given a chance to design a brochure to market programs in the forestry department. Explain the features you would include in this brochure to make it presentable.
        **(5 marks)**

    (d) Explain the benefits that can be accrued from using a PowerPoint presentation in a classroom setup.
        **(5 marks)**
    (e) Discuss how spreadsheet packages like MS Excel can be instrumental in carrying out activities in business organizations.
        **(10 marks)**

**QUESTION TWO (20 marks)**
a) Give the difference between following computer terms.

(i)    Data and Information

(ii)    RAM and ROM

(iii)    Cold booting and warm booting

(iv)    Software and hardware

(v)    Primary memory and secondary storage                    **(10 Marks)**

b) You have advised your client to install operating system (OS) in his desktop computer to make it functional. Describe the role of an operating system in computers.**(5 marks)**

c) Discuss the different types of topologies that can be found in networks. **(5 marks)**


## QUESTION THREE (20 marks)

a) Your friend has come to you for assistance in purchasing a computer. Explain to him how to go about selecting the most relevant computer for him.          **(7 marks)**

b)  Explain the term hanging in computer systems. Give three ways in which you can solve this problem.

**(3 Marks)**

c) Describe the development in computing during the following generations:

    a.  Third generation                    **(5 marks)**

    b.  Fifth generation                    **(5 marks)**


## QUESTION FOUR (20 marks)

(a) Mary's machine is running on Microsoft windows platform. When she boots up her machine the following icons are displayed on the desktop. Explain the function of each:

    i.    My Computer                    **(2 marks)**
    ii.    Recycle bin                    **(2 marks)**
    iii.    My Documents                    **(2 marks)**

(b)   Give two ways of safeguarding your document while using any word
    processing software.
       **(2 marks)**

(c) The word "cheap" which occurs several times in a document needs to be
    changed to "inexpensive"". Explain how this can be done.
                **(2 marks)**

(d)   A university intends to computerize its manual operations in the
    admission office by installing computers. Discuss the effect of this action
    to the university.     **(10 marks)**


//END