



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)**

| | A |
|---|------|
| 1 | 10 |
| 2 | 20 |
| 3 | 30.5 |
| 4 | test |
| 5 | |

| Formula | Answer |
|-------------------|--------|
| =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)**

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