MAASAI MARA UNIVERSITY

RESIT/SPECIAL UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
THIRD YEAR SECOND SEMESTER

SCHOOL OF PURE APPLIED AND HEALTH SCIENCES
BSC NATURAL RESOURCES

COURSE CODE: FEM 3207-1

COURSE TITLE: INFORMATION TECHNOLOGY FOR

NATURAL RESOURCES

DATE: 28/5/24   **TIME: 1100-1300HRS**

<u>**INSTRUCTIONS TO CANDIDATES**</u>

Answer Question ONE and any other TWO questions

QUESTION 1 – OUT OF 20 MARKS   (COMPULSORY)

a) Briefly describe FOUR functions of the operating systems **(4 marks)**

b) Briefly explain the following types of software licenses **(6 Marks)**
   i) Proprietary
   ii) Open Source
   iii)Trial Version
   iv)Freeware

c) With relevant examples, differentiate between system software and applications software. **(4 Marks)**

d) Write the benefits that can be accrued from using a PowerPoint presentation in a classroom setup. **(6 Marks)**

QUESTION TWO   (15 MARKS)

a) Table 1 is an extract of a worksheet showing items bought from a local shop. Use it to answer question that follows.

	A	B	C	D	E
1	**Item**	**Unit price**	**Quantity**	**Total cost**	**commission**
2	**bread**	2000	17		
3	**milk**	15000	20		
4	**matchbox**	50000	100		
5	**Toothpaste**	12000	10		
6	**Total amount**				
7	**commission**	20%			

i) Using cell reference, write a formula that could be used to calculate the commission for bread in cell **B7** that allow you to copy the formulas to generate commissions for other products. Commission is 20% of total cost.
(5 marks)

ii) Using a function and cell reference only, write a formula that can be used to calculate the total amount spent on all items. **(4 marks)**

iii) Explain the functions of Autosum feature in MS excel application **(1 marks)**

iv) List and briefly explain five error codes in excel applications **(5 Marks)**

QUESTION THREE: (15 MARKS)

a) Briefly explain **THREE** (3) disadvantages of Paper Spreadsheets as compared to electronic spreadsheets. **(6 marks)**

b) Highlight six general features of the second-generation computers**. (5 marks)**

c) Differentiate between any two types of application software   **(4 Marks)**

QUESTION FOUR: (15 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.
(4 marks)

a) List and explain the three types of document views in Microsoft word Processor.
(**6 Marks)**

b) Study the extract below and then answer the question that follows. Identify the five formatting features applied in the extract.   **(5 marks)**

WHAT IS LOREM IPSUM?

Lorem Ipsum is simply *dummy text* of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. *It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged*.

It was popularised in the 20th century with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

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