THARAKA   **UNIVERSITY**

COLLEGE

(A Constituent College of Chuka University)

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGRE OF
MASTER OF BOTANY

COSC 801/802: COMPUTER USE AND APPLICATION IN RESEARCH/ COMPUTER USE IN MANAGEMENT

STREAMS: MA YISI   **TIME: 3 HOURS**

DAY/DATE: TUESDAY 14/04/2020   **11.30 AM – 2.30 PM**

INSTRUCTIONS:

- **Answer question ONE and TWO other questions**

SECTION A: COMPULSORY

Question 1: (30 Marks)

a) Discuss how information technologies contribute to the business success of the Tharaka university technology? Provide examples explaining how the technology implemented led to improved performance. **[6 Marks]**

b) Information systems are vulnerable to technical organizations and environmental threats from internal and external sources. Discuss three major categories of threats to business information system and methods to mitigate these threats. **[6 Marks]**

c) Compare and contrast any two Mobile applications for data collection. **[6 Marks]**

d) Given the following table.

S. No.	Reg. No.	NAME	CATS x/30	Exam (x/70)	Exam Total %	Exam (x/70)	Agreed (%)	GRADE
1	MBA/00001/20	Rahab	23	39	62			B
2	MBA/00001/20	Eric	25	50	75			A
3	MBA/00001/21	Morgan	20	32	52			C
4	MBA/00001/22	Levi	21	31	52			C
5	MBA/00001/23	Perminus	24	41	65			B

SUMMARY OF GRADES

A	B	C	D	E
1	2	2	0	0

i.   Write the formulae for cell K10. **[4 Marks]**

ii. Write the formulae for cell G17 **[2 Marks]**

e) What do you understand from the following terminologies used in computer based information systems **[6 Marks]**
   i.   Internet
   ii. Intranet
   iii. Extranet

SECTION B:

Question 2: (15 Marks)

a) Mr. Jared owns a print shop business in Marimanti town. In order to improve his services, he has
advertised for a position of a typist. You have been invited for the position and you are expected to
answer the following questions from him.
Required:
   i.   Discuss two advantages of using Google docs over Microsoft word. **[2 Marks]**

   ii. Explain how you can integrate any bibliographic tool of your choice with a word processor. **[5 Marks]**

   iii. Discuss two types of documents views that you can use during your job routine **[4 Marks]**

   iv.   Explain two page layout orientation that can help to display tabulated information on a document. **[2 Marks]**

   v.   State and explain two basic tools that can help a customer to download a document from an internet source **[2 Marks]**

Question 3: (15 Marks)

a) Discuss how you can improve the speed of your computer when it slows down **[5 Marks]**

b) Discuss how ICT can be used in designing strategies for business operational control.
[8 Marks]

c) Differentiate between database and database management system.   **[2 Marks]**

Question 4: (15 Marks)

a) Demonstrate how you can use various Low-Cost Communication and Data Collection Tools in undertaking your research. Outline the advantage and disadvantage of each tool.
[7 Marks]

b) Describe three ways you can use Microsoft Excel for business purposes.   **[6 Marks]**

c) Distinguish between a menu icon and menu command.   **[2 Marks]**

Question 5: (15 Marks)

a) With aid of a particular decision-making situation, contrast decision support system with expert systems in so far as their make-up is concerned.   **[8 Marks]**

b) Discuss the generation of computers   **[4 Marks]**

c) Distinguish between computer memory and a storage device in each case give an example.
[3 Marks]