

THARAKA



UNIVERSITY

COLLEGE

(A Constituent College of Chuka University)

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF
MASTERS OF ARTS IN COMMUNITY DEVELOPMENT, HISTORY, KISWAHILI AND
GEOGRAPHY**

COSC 801: COMPUTER USE AND APPLICATION IN RESEARCH

STREAMS: MSC (CDEV), MA (HIST, KISW, GEOG)

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) Which combinations of ICT tools and applications do you think can cover multiple phases of the research process? How do you ensure compatibility among applications? **[8 Marks]**
- b) Discuss various ICT tools that you can adopt at Tharaka university college to enhance Secure Data Sharing, Backups and Data Archiving. **[6 Marks]**
- c) Discuss four major impacts of internet to a society **[4 Marks]**
- d) Explain two categories of application software **[4 Marks]**
- e) List the steps involved in printing a document **[2 Marks]**

f) Given the following table.

	A	B	C	D	F	G	H	I	J	K
8	S. No.	Reg. No.	NAME	CATS x/30	Exam (x/70)	Exam Total %	Exam (x/70)	Agreed (%)		GRADE
9	1	MBA/00001/20	Rahab	23	39	62				B
10	2	MBA/00001/20	Eric	25	50	75				A
11	3	MBA/00001/21	Morgan	20	32	52				C
12	4	MBA/00001/22	Levi	21	31	52				C
13	5	MBA/00001/23	Perminus	24	41	65				B
14										
15										
16										
17										

A	B	C	D	E
1	2	2	0	0

i. Write the formulae for cell K12. [4 Marks]

ii. Write the formulae for cell H17 [2 Marks]

SECTION B:

Question 2: (15 Marks)

- a) Differentiate between a spreadsheet and a worksheet. [4 Marks]
- b) When organizations deploy computer networks and information systems, they get exposed to various security threats that target various security goals. Describe **THREE** security goals that may be targeted [6 Marks]
- c) Describe 5 qualities of good information. [5 Marks]

Question 3: (15 Marks)

- a) With relevant example describe the business value gained from use of telecommunications in relation to the following
 - a. Overcoming Geographic Barriers [5 Marks]
 - b. Overcoming Time Barriers [5 Marks]
 - c. Overcoming Cost Barriers [5 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. [6 Marks]

- b) Discuss how Open Data Kit(ODK) can be used in undertaking research. **[9 Marks]**

Question 5: (15 Marks)

- a) Define the term Computer network and discuss three of its uses within the university **[4 Marks]**
- b) Using a suitable example, differentiate between the three popular networks **[6 Marks]**
- c) Outline the key features of google slides. What advantages does the google slide have over Ms PowerPoint? **[5 Marks]**
-