

COM 111



OFFICE OF THE DEPUTY PRINCIPAL  
ACADEMICS, STUDENT AFFAIRS AND RESEARCH

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## UNIVERSITY EXAMINATIONS

### 2020 /2021 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATION

## FOR THE DEGREE OF BACHELOR OF COMPUTER SCIENCE MAIN EXAMINATION

COURSE CODE: COM 111

COURSE TITLE: COMPUTER APPLICATIONS

DATE: 16/02/2021

TIME: 9.00 – 12.00 P.M

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### INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF PRINTED PAGES PLEASE TURN OVER

MAIN EXAMINATION

COM 111: COMPUTER APPLICATIONS

STREAM: BSc (Computer Science)

DURATION: 3 Hours

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**INSTRUCTIONS TO CANDIDATES**

- i. Answer *ALL* questions from section A and any *THREE* from section B.
- ii. Maps and diagrams should be used whenever they serve to illustrate the answer.
- iii. Do not write on the question paper.

**SECTION A (24 MARKS) COMPULSORY**

**QUESTION ONE [12 MARKS]**

- a) Define the following terms [4 marks]
- i. LAN
  - ii. WAN
  - iii. Internet
  - iv. protocols
- b) A student wants to add the contents of cell A1 to A7 and save the results in cell A8. Write the function and formula that she will enter in the formula bar [4 Marks]
- c) Outline the procedure of aligning text in a document [4 Marks]

**QUESTION TWO [12 MARKS]**

- a) Define scroll bars and explain their purpose. [2 marks]
- b) Explain the actions that the following shortcut commands perform in power point [4 marks]

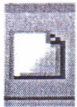
COM 111

Shortcut Key	Action
Ctrl + Shift + Tab	
Ctrl + Enter	
Ctrl + M	
Ctrl + D	

c) Explain the term animation in the context of Presentation software and explain how you can animate text in a software application you are familiar with. [2 marks]

d) Consider the following Microsoft Word icons. Give their names and explain what happens when one launches the feature: [4marks]

(i)



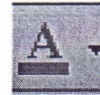
(ii)



(iii)



(iv)



**SECTION B [36 MARKS]**

**QUESTION THREE [12 MARKS]**

- a) In relation to formula describe:
- i) What is a formula? [2 Marks]
  - ii) What are the components of a formula? [2 Marks]
  - iii) Explain any two commonly used functions used in MS Excel [3 Marks]
- b) Outline the steps to be followed in changing the page orientation in excel. [5 Marks]

**QUESTION FOUR [12 MARKS]**

- a) Name and explain types of Data types used in MS data base [6 Marks]
- b) Describe any SIX objects used in database design based on MS Access. [6 Marks]

**QUESTION FIVE [12 MARKS]**

- a) Define and give an example in each of the following internet components.
- i. Search engine. [1 marks]
  - ii. Web browsers. [1 marks]
- b) Many government offices still use stand-alone computers despite the advanced networking technology. Briefly explain four advantages of using networks in government offices. [4 Marks]
- c) The table below shows a worksheet created in sheet1 of a workbook.

	A	B	C	D
1	NAME	AGE	IQ TEST	RATING
2	Omondi	60	55	58
3	Hamisi	15	68	
5	Silvia	36	59	
6	Joyce	7	44	

Describe how you would use a formula to generate entries for column D based on the following criteria [6 Marks]

**QUESTION SIX [12 MARKS]**

- a) Outline two pieces of software that can be used to send and receive e-mails. [2 marks]
- b) Explain what compression software is and outline why it could be useful when using e-mail. [4 marks]
- c) Explain what the BCC field is in an e-mail and why you might use it. [2 marks]

- d) What do each of the following e-mail terms mean? [4 Marks]
- i. Forward
  - ii. Attachment

**QUESTION SEVEN [12 MARKS]**

- a) Describe three types of network topologies [ 6 Marks]
- b) Describe six default icons found on a desktop. [6 marks]

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