

UGANDA MARTYRS UNIVERSITY  
END OF SEMESTER FINAL ASSESSMENT

SEMESTER I, 2022

YEAR I EXAMINATION FOR BAM I, ACC & FIN I, BJMC I,

B. AGRIC I, & BAEM I

INTRODUCTION TO COMPUTER APPLICATIONS/BASIC COMPUTER  
LITERACY/FUNDAMENTALS OF ICT

DATE: 20TH JULY, 2022

TIME: 9:30 AM - 12:30 PM

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*Instructions:*

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1. Carefully read through ALL the questions before attempting
2. **ANSWER FOUR (4) Questions** (All questions carry equal marks)
3. Ensure that your **Reg Number** is indicated on all pages of the examination answer booklet.
4. Ensure your work is **clear and readable**. Untidy work shall be penalized
5. Any type of examination Malpractice will lead to automatic disqualification

### Question One (25 Marks)

- a) Computer Technology has spread throughout in almost every aspect of our daily lives. As a student describe five (5) ways through which computer technology has made your life easier at campus. (10 Marks)
- b) With clear examples, explain the four (4) basic elements of a computer (8 Marks)
- c) Write short notes on the following concepts as used in computer technology
  - i. Input Devices (2 Marks)
  - ii. Output Devices (2 Marks)
  - iii. Main Memory (3 Marks)

### Question Two (25 Marks)

- a) With examples distinguish between system software and application software (4 Marks)
- b) What are Mobile Applications? Identify five mobile applications and describe how they help you achieve your obligations as a student (12 Marks)
- c) Differentiate between the following;
  - i. RAM and ROM (2 Marks)
  - ii. Save and Save As (2 Marks)
  - iii. Copy & Paste and Cut & Paste (3 Marks)

### Question Three

Mark Anthony is a year one student who has been enrolled at Umu. He was not exposed to Information Technology (IT) at his previous school. While in the Computer Lab you observed that Mark is doing things that are dangerous to his own well-being and also to the proper functioning of the computers in the laboratory. As a student who has studied computer literacy and has some knowledge of IT, you feel that you should correct him.

- a. Highlight five actions Mark may have been doing that you consider to be incorrect laboratory protocol. (10 Marks)
- b. For the actions highlighted in (a) above, write brief guidelines to help Mark follow the correct protocol. (10 Marks)
- c. Besides not doing IT before at school, what are two other possible reasons for Mark not following correct laboratory protocol? (5 Marks)

### Question Four (25 Marks)

- a) Present 3 cases of situations where;
  - i. Software is culprit (Source of problem) (6 Marks)
  - ii. Hardware is culprit (source of problem) (6 Marks)
- b) Provide working remedies (solutions) to each case of the software situations given in (i) above (6 Marks)
- c) Describe at least three health risks that arise from the use of computers (7 Marks)



### Question Five (25 Marks)

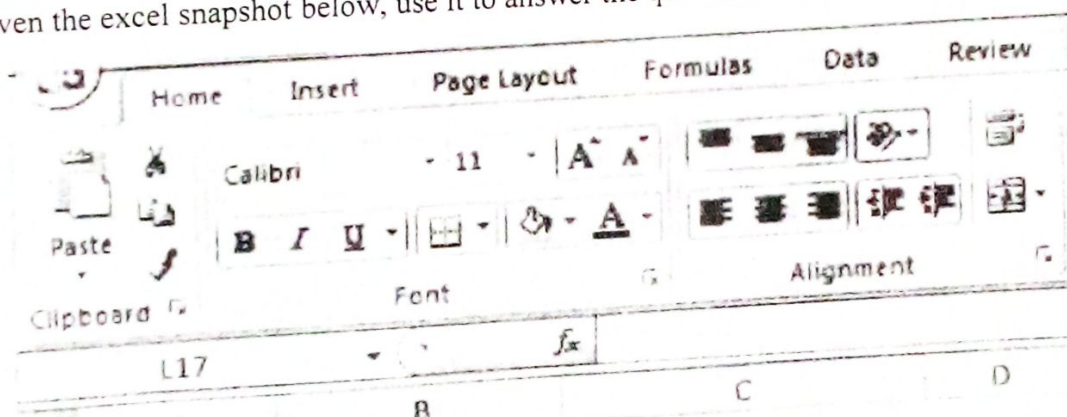
- Viruses, bugs and worms are some of the problems that affect the proper functionality of computers. Give three (3) sources of viruses (6 Marks)
- Suggest five (5) ways one can protect a computer from virus attacks? (10 Marks)
- Describe how you would protect your PC from unauthorized access (9 Marks)

### Question Six (25 Marks)

- A network is the connection of computers and other devices to share resources. Give three (3) resources shared over a network (3 Marks)
- What type of network would you install at your home stead and why? (5 Marks)
- Explain five (5) challenges the internet has exposed to the young generation today (10 Marks)
- Explain ways how the internet facilitates the learning processes at Umu (7 Marks)

### Question Seven

Given the excel snapshot below, use it to answer the questions that follow;



The Excel snapshot shows the Home tab with the following settings:

- Font: Calibri, Size 11, Bold (B), Italic (I), Underline (U), Text color (A), Background color (fill), Orientation (A), and Font color (A).
- Alignment: Left, Center, Right, Justify, Indent Left, Indent Right, Decrease Indent, Increase Indent, and Wrap Text.

The spreadsheet data is as follows:

	A	B	C	D
1	Month	Day	Sales in dollars	
2	Feb	Mon	20	
3	March	Mon	10	
4	Feb	Wed	10	
5	April	Mon	5	
6	Feb	Tue	20	
7	March	Tue	10	
8	April	Wed	10	

- a) What does L17 in the above figure represent? (2 Marks)
- b) What does the word Calibri in the figure represent? (2 Marks)
- c) Write a mixed cell reference for the cell containing the words 'Sales in dollars' (3 Marks)
- d) Write an excel formula that can be used to add/sum all the sales in column C (4 Marks)
- e) Write an excel formula that returns the average of the above sales (4 Marks)
- f) Write an excel formula that returns the biggest sale (4 Marks)
- g) Write short notes on the following excel functions:
- i. IF (2 Marks)
  - ii. Rank (2 Marks)
  - iii. Count (2 Marks)

*END*