

INSTRUCTIONS:

Read and answer all questions

Time Allowed: 3 hours

QUESTION 1

- a. John and Jane have each bought a computer labelled Computer A and B respectively, with the following specifications:

Computer A	Computer B
128GB Flash Drive	512GB Hard Drive
16GB RAM	8GB RAM
150DPI Screen	225DPI Screen
15 inch screen	13 inch screen

Required:

Assuming that the cost of the two computers is the same, list TWO strengths of Computer A and TWO strengths of Computer B, describing the impact of each strength. (5marks)

- a. Discuss any **FIVE** challenges associated with the use of internet (10marks)
- b. Using an example, explain how one would use “Goal seek” function in a business. (5marks)

20 marks

QUESTION 2

- a. Janet is an office admin at MRC Ltd. She understands data security threats and decided to store sensitive word processing files in a flash disk when working from a home desktop computer. She has realized that the files could no longer open at her place of work.

Required:

- i. Suggest any FIVE reasons why some files may not open despite being visible on the flash disk. (5marks)
- ii. Discuss the importance of information security policies (10 marks)
- b. Identify five major management challenges to building and implementing information systems within an organization. (5 marks)

QUESTION 3

Mr. Kioko is a CPA-K in good standing and has established an accounting firm in a busy town and employed ten accounts assistants. However, the office space is not enough to accommodate all the staff and he has approached you, an ICT expert for assistance.

Required:

- i. Explain any FIVE modern ICT technologies that Mr. Kioko could adopt to maximize employees' productivity despite space constraints. (10 marks)
- ii. Explain any TWO possible disadvantages that Mr. Kioko could face in adopting any of the technologies in (3) (i) above. (4 marks)
- iii. Describe any 3 ways of creating tables in Ms. Word (6marks)

20marks**QUESTION 4**

- a. Discuss three benefits that are provided by mobile devices and applications for health care professionals. (6marks)
- b. Explain the term "Uniform Resource Locator (URL)". (2 marks)
- c. Using an example, explain the functions of each of the three key parts of a URL. (6marks)
- d. Explain 3 benefits of data backup and recovery procedures in a business. (6 marks)

20marks**QUESTION 5**

- a. Formulate four questions that would enable you to conduct stakeholder analysis in system development. (4 marks)
- b. Explain the bookmark feature in the context of the internet browsing. (2 marks)

- c. Identify the type of cell referencing used in the spreadsheet expressions below: (2marks)
- i. =RANK (\$C\$3: \$A\$10,0)
 - ii. =SUM (A\$3: A12)
- d. Differentiate between sorting and filtering as used in worksheet data management. (2 marks)
- e. Differentiate between proofreading and formatting a document as used in word processing. (2 marks)
- f. A comprehensive backup plan is an essential tool for information security for the entire organization. Not only should the data on the corporate servers be backed up, but individual computers used throughout the organization should also be backed up.
With reference to the above statement, discuss three components of a good backup plan. (6 marks)
- g. Explain each of the following terms as used in internet: (2 marks)
- i. Cookies.
 - ii. Blog.

20marks