



UNIVERSITY EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF THE
DIPLOMA IN JOURNALISM AND MASS COMMUNICATION
FIRST SEMESTER 2022/2023
[SEPTEMBER-DECEMBER, 2022]

COMP 0110: INTRODUCTION TO COMPUTER APPLICATIONS

STREAM: Y1S1

TIME: 2 HOURS

DAY: FRIDAY, 3:00 – 5:00 PM

DATE: 09/12/2022

INSTRUCTIONS

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE and any other TWO questions.***

QUESTION ONE (30 MARKS)

- Explain the relationship between computer hardware and software. (4marks)
- Outline three functions of information technology to students. (3marks)
- State five roles of information systems to organizations. (5marks)
- Outline four importance of secondary memory. (4marks)
- The operating system is the main system software. Explain four functions of the operating system. (4marks)
- Dominic, a web designer, developed a website for a company he works for, outline two uses the company would have for the site. (2marks)
- Distinguish between system and application software giving three examples in each and their functions. (4marks)
- Give four differences between RAM and ROM. (4marks)

QUESTION TWO

- Define what is computer backup and explain reasons why it is of value. (5marks)
- A local company called for an annual meeting to deliberate on acquiring a new software for the company. Advise them on the qualities of a good software for them to purchase. (10marks)
- Explain five reasons for using computers over other forms of processing. (5marks)

QUESTION THREE

- a) You are the head of a given department that deals with procuring of products in a company. Explain five factors you will consider when purchasing computers for the company. (10marks)
- b) Explain the circumstances and which the print options will be selected:
i. Slides
ii. Handouts. (4marks)
- c) Explain your understanding of the following contemporary Information technology issues:
i. Cyberbullying
ii. Hacking
iii. Digital divide (6marks)

QUESTION FOUR

- a) Outline four benefits of Computer networks. (4marks)
- b) Distinguish between system and application software giving three examples in each and the functions they perform. (6marks)
- c) Given an Excel sheet with data in the cells B1, B2, B3, B4 and B5.
i. In cell B6, write a function to find the sum of the five cells. [2marks]
ii. In another cell B7, write a formula to find the average of the five cells. [2 marks]
- d) Explain your understanding of computer databases and explain why they are important in the modern world. (6marks)

QUESTION FIVE

- a) A series of breakthroughs have occurred in the computing world since the 1940's. Distinguish between the following computers:
i. Fourth Generation and Second generation computers. (2marks)
ii. Super computers and Personal computers. (2marks)
iii. Digital and Hybrid computers. (2marks)
iv. General and specific purpose computers (2marks)
- b) Define computer ergonomics and describe its relevance to users. (6marks)
- c) Explain three applications of computers with examples. (6marks)