KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS, 2024/2025 ACADEMIC YEAR
SECOND YEAR, FIRST SEMESTER EXAMINATION
FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMPUTER SCIENCE
(SPECIAL EXAMINATION)
KCS 408 MANAGEMENT INFORMATION SYSTEMS

Date: 14TH AUGUST, 2024
Time: 8:30 AM – 10:30 AM

INSTRUCTIONS TO CANDIDATES
ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE: COMPULSORY (30 MARKS)
a) Describe the fundamental characteristics of a management information system   (6Marks)
b) Explain the areas of the organization that are supported by the management information system   (6 Marks)
c) Discuss the characteristics of quality information   (6 Marks)
d) Explain why organizations require a Management Information System   (6 Marks)
e) Describe any system threats that result in the failure of an implemented MIS   (6 Marks)

QUESTION TWO (20 MARKS)
a) Discuss and provide examples of how new technology/information systems can be used to give both small and large businesses a competitive advantage   (10 Marks)
b) Briefly discuss the benefits and drawbacks of using packaged software rather than developing customized software   (10 Marks).

QUESTION THREE (20 MARKS)
a) Briefly describe the stages of a structured systems development method with which you are familiar
                                                                                                  (10 marks).
b) Information systems must be designed in an efficient and effective manner. Describe Five methods you would use to accomplish this.   (10 Marks)

QUESTION FOUR (20 MARKS)
a) Describe six different types of maintenance that can be performed on an information system   (12 Marks)
b) Create a diagram that depicts the flow of management information within a business organization. Identify the three main levels, as well as the types of information and software that are typically used at each level (8 Marks).

QUESTION FIVE (20 MARKS)
a) Explain the functions, necessary skills, and qualifications for the following roles in a large IT department:
   i.   Systems analyst   (4Marks)
   ii.   Database designer   (4Marks)
   iii. Network administrator   (4 Marks)
b) Discuss the statement that "the implementation of an information system has faced a number of challenges and destructive security threats arising from the automation of business processes"   (8 Marks).