KISII UNIVERSITY

SCHOOL OF BUSINESS AND ECONOMICS
DEPARTMENT OF MANAGEMENT SCIENCE
SEPTEMBER - DECECEMBER 2023 EXAMINATIONS

BINM 323: MANAGEMENT INFORMATION SYSTEMS I

<u>**INSTRUCTIONS:**</u>
Question ONE is Compulsory, Answer any other TWO questions
Time: 2Hrs

QUESTION ONE
a. Differentiate the following terminologies
   a) Dynamic and static testing   [2 Marks]
   b) probabilistic and deterministic system   [2 Marks]
b. Discuss the features that would define quality software being developed   [4 Marks]
c. List and explain the categories of information on the basis of purpose   [6 Marks]
d. Explain how the following concepts of performance and workload measurements as used is assessing the performance of systems   [6 Marks]
   a) Turnaround time
   b) Throughput
   c) Response time
e. Discuss the main types of maintenance that a system may undergo in its lifespan   [8 Marks]

QUESTION TWO
a. Discuss in detail the various levels of programming a decision   [5 Marks]
b. List and explain the factors used to describe the quality of information   [7 Marks]
c. List and explain any four optimization techniques
                                                   [8 Marks]

QUESTION THREE

a. List and explain the rules to be followed while constructing a decision table [4 Marks]

b. Discuss the activities of requirement determination [6 Marks]

c. List and explain the characteristics of a management information system [10 Marks]

QUESTION FOUR

a. What is the role of the following in project management?
   a) Project manager
   b) Project sponsor

b. Describe the various types of information used in MIS [8 Marks]

c. Discuss the structured analysis tools [10 Marks]

QUESTION FIVE

a. Discuss the functions of a management information system [6 Marks]

b. Describe the sub systems of information [6 Marks]

c. Briefly explain four areas of feasibility study [8 Marks]