



Kasarani Campus
Off Thika Road
Tel. 2042692 / 3
P.O. Box 49274, 00100
NAIROBI
Westlands Campus
Pamstech House
Woodvale Grove
Tel. 4442212
Fax: 4444175

KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR
FIRST YEAR, FIRST SEMESTER, END OF SEMESTER EXAM
FOR THE DIPLOMA IN BUSINESS INFORMATION TECHNOLOGY
DBT 1004- BUSINESS INFORMATION SYSTEMS

Date: 29TH JULY 2022
Time: 2:30PM – 4:30PM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Highlight any four methods of developing an information system. (4 Marks)
- a) Explicate how do information systems affect market efficiency. (6 Marks)
- b) Explain different characteristics of executive support systems. (6 Marks)
- c) Internet technology has grown very fast in the world. Explain reasons for this. (6 Marks)
- d) List and define the four major types of information systems, and give at least two information outputs to be expected from each one. (8 Marks)

QUESTION TWO (20 MARKS)

- a) Discuss why information systems are so essential in running and managing business today. (5 Marks)
- b) Briefly describe different components of a computer-based information system. (5 Marks)
- c) Discuss different activities that system analysts and system designers have to undergo through during system development life cycle. (10 Marks)

QUESTION THREE (20 MARKS)

- a) Explain the factors that influence how an organization selects information systems. (5 Marks)
- b) Explain five characteristics of computer networks. (5 Marks)
- c) Using a diagram, explain four kinds of information systems that serve different groups of management in an organization. (10 Marks)

QUESTION FOUR (20 MARKS)

- a) Explain how does management use information systems to support the sales and marketing function of a business? (6 Marks)
- b) Explain five main differences between management information systems (MIS) and decision support systems (DSS). (6 Marks)
- c) Describe how an organization can protect against various information system threats. (8 Marks)

QUESTION FIVE (20 MARKS)

- a) Describe the disadvantages of using waterfall model to develop systems in comparison to other system development methodologies. (6 Marks)
- b) Explain the roles of operating systems in regard to general computing. (6 Marks)
- c) Elucidate how the Internet impacts the way organizations use information systems. (8 Marks)