



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

BSC.MATHS& COMP SCIENCE Y4

BACHELOR OF BUSINESS YR 4

COURSE TITLE: INFORMATION SYSTEMS MANAGEMENT

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COURSE CODE: SCO 408

COURSE CODE: BMS 400

SUPPLIMENTARY

Instructions: Answer Question **ONE** and any other **TWO** Questions.

Question One [Compulsory, 30 Marks]

- a) Explain the meaning of management information system. **(4 Marks)**
- b) Explain THREE types of data processing systems **(6 Marks)**
- c) Information has greater value to decision maker if it is available when needed. Discuss. **(4 Marks)**
- d) What is the purpose of encryption in information systems? **(4 Marks)**
- e) Explain TWO advantages of using a password. **(4 Marks)**
- f) **Differentiate the following terms;**
 - i) Internet and World Wide Web. **(4 Marks)**
 - ii) Intranet extranet. **(4 Marks)**

Question Two [Optional, 20 Marks]

- a) Draw the FOUR pyramid structure of MIS **(8 Marks)**
- b) Both decision making and employee performance are key elements in the success of businesses. Discuss how the two elements can be linked together to benefit the business organization. **(4 Marks)**
- a) You are an instructor in MIS for fourth year class in Machakos University. You have been assigned the duty to look for specific places where the students can go educational trip especially to learn more about MIS.
 - (i) Mention TWO companies that you would like your students to visit. **(2 marks)**
 - (ii) Tell us why you have chosen them. **(6 Marks)**

Question Three [Optional, 20 Marks]

- a) Information systems are classified according to the information usage in an organization. Based on the above information, discuss THREE types of information systems. **(6 Marks)**
- b) Describe THREE advantages of using information systems as compared to manual systems. **(6 Marks)**
- c) Name FOUR types of operating systems. **(4 Marks)**
- d) Describe FOUR major functions of an information system? **(4 Marks)**

Question Four [Optional, 20 Marks]

- a) Differentiate between the following;
 - i) Deterministic and Probabilistic systems. **(4 Marks)**
 - ii) Closed and Open systems. **(4 Marks)**
- b) What are the five components that make up an information system? **(4 Marks)**
- c) What roles do people play in information systems? **(4 Marks)**
- d) What do you understand by the term software? **(4 Marks)**

Question Five [Optional, 20 Marks]

- a) Differentiate between the following activities as described in management;
 - i) Transaction processing and Strategic planning. **(4 Marks)**
 - ii) Management control and Operational control. **(4 Marks)**
- b) What is the difference between data, information, and knowledge? **(6 Marks)**
- c) Describe THREE physical components of a computer. **(6 Marks)**

