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(Knowledge for Development)

**KIBABII UNIVERSITY
(KIBU)**

**UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR**

**END OF SEMESTER EXAMINATIONS
YEAR FOUR SEMESTER ONE EXAMINATIONS**

**FOR THE DEGREE OF
BACHELOR OF SCIENCE
(INFORMATION TECHNOLOGY)**

Course code : BIT 413
Course title : MANAGEMENT INFORMATION SYSTEMS

DATE: 19/12/2017

TIME: 3.00p.p- 5.00p.m

INSTRUCTIONS TO CANDIDATES

Answer Questions ONE and ANY OTHER TWO.

QUESTION ONE [30 MARKS]

- a. Normal operation of any organization require information in order to run. Thus, it has to be maintained in a secure state. State five goals of information security. **[5 marks]**
- b. Explain five ways in which information technology changes the nature of human resources? **[5 marks]**
- c. Identify four elements of an organization. **[4 marks]**
- d. Database management system allows for data independence. State reasons why data independence is useful in any organization. **[5 marks]**
- e.
- i) Define the term knowledge management in relation to information management? **[1 mark]**
 - ii) Explain two kinds of knowledge that can be managed in an organization. **[4 marks]**
- f. Differentiate between: **[6 marks]**
- i) Data and information
 - ii) Information system and information technology
 - iii) Strategy and strategic management

QUESTION TWO [20 MARKS]

- a.
- i. Define the term motivation. **[1 mark]**
 - ii. Identify four reasons why motivating employees is important in an organization. **[4 marks]**
- b. Majority of organizations prefer the decentralized organization structure over the centralized one. List reasons in favor decentralization. **[5 marks]**
- c. Using relevant examples, describe the three levels of management. **[6 marks]**
- d. The way the organization works is partly affected by people's behavior. Identify reasons why informal organizations exist. **[4 marks]**

QUESTION THREE [20 MARKS]

- a. Management of data is essential to an organization. Define the following terms as used in data management: **[4 marks]**
- i. Database
 - ii. Database management system
 - iii. Data warehouse
 - iv. Data Mining
- b. Limitations in the use of the file-based system prompted the adoption of a database system. Discuss five advantages that implementation of a database in an organization will bring forth. **[10 marks]**
- c. An information system is a combination of several components working together to achieve a required objective. Identify six general controls that are put in place for effective functioning of an information system. **[6 marks]**

QUESTION FOUR [20 MARKS]

- a. Information systems play a major role in strategic management. Discuss. **[8 marks]**

b. As a powerful tool, Information enables managers to make relevant decisions and help in the day-to-day operation of an organization. Explain the following types of information. **[8 marks]**

- i. Strategic information
- ii. Tactical information
- iii. Operational information
- iv. Statutory information

c. Total Quality Management is a concept that makes quality control a responsibility to be shared by all people in an organization. Identify ways in which Information Systems Contribute to Total Quality Management. **[4 marks]**

QUESTION FIVE [20 MARKS]

a. Deliberate four functions of an information system. **[8 marks]**

b. With the use of a well labeled diagram, discuss the six types of information systems. **[12 marks]**