The Co-operative University of Kenya

END OF SEMESTER EXAMINATION DECEMBER-2016

EXAMINATION FOR THE DEGREE OF BACHELOR OF FINANCE AND INVESTMENT
(YR I SEM I)

UNIT CODE: CMFI 2108

UNIT TITLE: INFORMATION SYSTEMS

DATE: 20TH DECEMBER, 2016 **TIME: 9:00 AM – 11:00 AM**

INSTRUCTIONS:
- Answer question **ONE (compulsory)** and any other **TWO** questions

QUESTION ONE

(a) Distinguish between application software and system software. (4 Marks)
(b) List two characteristics of valuable information. (2 Marks)
(c) Due to different interests, specialists and levels in an organization, there are different kinds of systems. No single system can provide all the information an organization needs.
 (i) Describe three levels of management in an organization. (6 Marks)
 (ii) Describe any four types of information systems, indicating which level each system operates under. (8 Marks)
(d) Explain the steps involved in developing an information system. (6 Marks)
(e) Explain the role of users in developing an information system for decision making. (2 Marks)
(f) Differentiate between structured decision. (2 Marks)

QUESTION TWO

(a) Describe what is meant by a management information system (MIS). Include in your answer one example of how an MIS can be used. (4 Marks)
(b) Explain the following terms with regard to information systems security.
 (i) Privacy
 (ii) Security
 (iii) Copyright (6 Marks)
(c) Information Systems can enable a firm move from good company to a great company. Explain how a firm can achieve this using Information Systems. (6 Marks)
(d) Workers work less today than they did 100 years ago. Discuss this statement in regard to the impact of Information Technology on individuals at work. (4 Marks)

QUESTION THREE

(a) Describe the business function of an Enterprise Resource Planning (ERP) system support. (6 Marks)
(b) Explain any four components of Information System. (8 Marks)

(c) Explain the following concepts as used in Management Information Systems; (4 Marks)

   (i) Prototyping
   (ii) Computer ided system Engineering (CASE)

(d) Why should information systems be audited. (2 Marks)

QUESTION FOUR

(a) Discuss how a business organization can gain a competitive advantage using Information systems. (10 Marks)

(b) Explain any three security controls or measures that may be implemented by organizations to ensure Information Systems Security. (6 Marks)

(c) Explain briefly how computer based information systems can enhance marketing function in a firm. (4 Marks)

QUESTION FIVE

(a) List any four characteristics of Information Systems. (2 Marks)

(b) Describe the following SDLC models. Use diagrams where applicable.

   (i) Waterfall model
   (ii) Iterative model
   (iii) Spiral model (9 Marks)

(c) Explain three reasons as to why an organization may opt to outsource information systems rather than building them from scratch. (6 Mark)

(d) Explain three impacts of computer networks in Business. (3 Marks)