SOUTH EASTERN KENYA UNIVERSITY

UNIVERSITY EXAMINATIONS 2015/2016

MAY-AUGUST 2016 (PRACTICUM) SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE (INFORMATION SYSTEMS)

SCI511: ENTERPRISE SYSTEMS AND APPLICATION

DATE: 8TH AUGUST, 2016   **TIME: 2.00 – 5.00 PM**

INSTRUCTIONS TO CANDIDATES

    a) Answer **ALL** questions from section A (Compulsory)

    b) Answer **ANY TWO** questions from section B

SECTION A (30 Marks) - Compulsory

Question One
    a. Identify the basic components of information systems.   **(2 Marks)**
    b. Briefly discuss the database infrastructure of information systems   **(4 Marks)**
    c. Describe 5 types of decision support systems   **(5 Marks)**
    d. Elaborate on 5 decision-making techniques used in everyday life   **(5 Marks)**
    e. Discuss how an enterprise system can be used to implement a Supply chain Management

                                                                     (6 Marks)
    f. Using Examples from Artificial intelligence and data mining techniques discuss how Business analytics improves Business decision making   **(8 Marks)**

SECTION B (40 MARKS)
*Answer **two** questions from this section*

Question Two
    a. Discuss the Inter-temporal Choice as a kind of decision that needs theory   **(4 Marks)**
    b. Critique two types of analytic modeling   **(4 Marks)**
    c. Using the Zachman-framework elaborate on how you would develop an Enterprise systems for a Hospital .   (**8 Marks**)

    d. Compare and Contrast the 4+1 View Model architecture and the OMG's Model Driven Architecture   **(4 Marks)**

Question Three

    a. Describe three key Cloud integration architecture for SME.   **(6 Marks)**
    b. Discuss two difficulties faced in building and sustain strategic information system.   **(2Marks)**
    c. Using Five competitive Forces Discuss how the University can Implement e-learning   **(6 Marks)**
    d. Comment on the use of pirated software within organization and elaborate on remedies that can be deployed to curb the wide spread use.   **(6 Marks)**

Question Four
Information systems success model of DeLone and Mclean's has been used widely in the evaluation of the Information systems
    a. Distinguish between Success model of 1992 and the model 2003   **(4 Marks)**
    b. Critically evaluate the Components of the 2003 success model .   **(6 Marks)**
    c. By applying the updated 2003 success model , discuss how you would evaluate a Mobile banking systems with regard to its effectiveness and efficiency   **(8 Marks)**
    d. In your opinion Justify why the DeLone and Mclean's has gained Acceptance **(2 Marks)**

END.