JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

UNIVERSITY EXAMINATIONS FOR THE DEGREE OF BSc. COMMUNITY HEALTH & DEVELOPMENT

WITH I.T

4YEAR 2ND SEMESTER 2016/17 ACADEMIC YEAR

KENDU-BAY LEARNING CENTRE

COURSE CODE: SCS 437

COURSE UNIT: INFORMATION SYSTEMS APPKLICATIONS

EXAM VENUE:---   **STREAM: BSc. CH&D**

DATE: 20/12/16   **EXAM SESSION: 9.00 – 11.00 AM**

TIME : 2.00 HOURS

Instructions

1. Answer question one (compulsory) and any other two questions

2. Candidates are advised not to write on the question paper

3. Candidates must hand in their answer booklets to the invigilator while in the

examinations room

SECTION A: ANSWER ALL QUESTIONS   {30 MARKS}
QUESTION ONE
a) What does the term artificial intelligence means?   (2 Marks)
b) Identify *any three* disadvantages of real-time processing   (6 Marks)
c) Briefly state *any four* ways in which Corporate Intranet impacts on Human Resource of an organization.   (4 Marks)
d) State and briefly describe the *three main* goals of Computer Integrated Manufacturing (CIM).   (6 Marks)
e) What does the term "Think Globally and Act Locally" imply? (4 Marks)
f) Briefly discuss *at least four* areas where expert systems find application
                (8Marks)

SECTION B: ANSWER ANY TWO QUESTIONS   {20 MARKS, EACH}
QUESTION TWO

a) Human Resource Information Systems can be used to improve staffing functions in an organization. Discuss   (5 Marks)
b) Information Systems has revolutionized a number of activities with respect to Human Resource functions in various organizations. Identify *any six*Human Resource activities, supported by information systems.   (6 Marks)
c) Discuss ways in which the internet has impacted on Human Resource Management.
                (4 Marks)
d) Safaricom Ltd intends to conduct staff training and development. Discuss how best they can use information systems to realize this desire.   (5 Marks)

QUESTION THREE
a) Define Global Information System   (2 Marks)
b) Discuss some of the challenges to Global Information Systems.   (12 Marks)
c) Identify ways in which the web is impacting on the International Commerce.
                (6 Marks)

QUESTION FOUR
a) Identify and briefly describe the *three main* components of a Decision Support Systems (DSS)   (6 Marks)
b) Describe the nature of decisions made at the three different levels of management
                (4 Marks)
c) Explain any major five roles of Executive Support Systems.(10 Marks)

QUESTION FIVE
a) Identify and list the five stages of transaction processing systems
                (5 Marks)
b) State any three advantages and two disadvantages of batch processing systems?
                (5 Marks)
c) Batch processing usually involves certain steps. Identify and briefly explain these steps.
                (10 Marks)