JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

MAIN CAMPUS

COURSE SCS203   INFORMATION SYSTEMS ANALYSIS AND DESIGN

YRAR 2   SEMESTER 1

LECTURER : Mr. CHARLES O. AKELLOH

SECTION A   (COMPULSORY)

QUESTION NUMBER ONE

Computer development has gone through several generations to reach where it is today.

a) Define a computer in terms of its function   **(5 Marks)**

b) What is a computer software (Do not use the term Program)   **(5 Marks)**

c) Fact-finding plays a major role in Requirement discovery. Define what you understand by the term Fact- finding   **(8 Marks)**

A system can be defined as a group of components that work together to achieve desired objective.

d) Name and provide use of three major input devices.   **(6 Marks)**

e) Name a device that serves both as input and output   **(2 Marks)**

f) Distinguish between tailored and customised software   **(4Marks)**

QUESTION TWO 20 MARKS

In systems analysis it is quite important to gather as much information about the system as possible.

   a) List fourtechniques that can be used to gather information   **(4 Marks)**

   b) Give advantage of using the techniques you have listed   **(8 Marks)**

   c) Distinguish between a Firewall and Data Backup?   **(8 Marks)**

QUESTION THREE MARKS

Organisations require systems to facilitate the work of managers by providing prompt information for decision making..

Required;

   a) Differentiate between data and information. **(6 Marks)**

   b) List and explain at least five desirable qualities of information? **(10 Marks)**

   c) Define the difference between Open and Closed systems **(4 Marks)**

QUESTION FOURMARKS

Some developers define systems by their characteristics while others define them bytheir types. **(2 MarksEach)**

Name and explain briefly ten characteristics of a System

QUESTION FIVEMARKS

a) Outline any five basic data processing activities. **(10 Marks)**

b) At the preliminary level of system development the project manager has to justify the need for a new system including TELOS feasibility study.**(2 Marks Each)**

Explain what TELOS stand for in feasibility study phase of systems analysis giving brief details for each term.

   T_____
   E_____
   L_____
   O_____
   S_____