



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

MAY - JULY 2015 TRIMESTER

FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF DEVELOPMENT STUDIES

REGULAR PROGRAMME

SDS 205: COMPUTER APPLICATION IN DEVELOPMENT WORK

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Date: JULY 2015

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO Questions

- Q1. a) Describe any FIVE input device that can be used in keying in data. **(10 marks)**
- b) Write short notes on the following:
- i Assemblers. **(2 marks)**
 - ii Compilers. **(2 marks)**
 - iii Interpreters. **(2 marks)**
- c) What attributes of information makes it a powerful tool in decision making within an organization. **(10 marks)**
- d) Differentiate between system software and application software giving examples. **(4 marks)**
- Q2. a) Explain the components of an information system in an IT department. **(10 marks)**
- b) Describe the factors you will consider in selecting an operating system for your organization. **(10 marks)**
- Q3. a) Describe any FIVE types of operating systems that can be used by an IT manager in an organization. **(10 marks)**

- b) Fivos investment company wants to develop a unique application software for its payroll. What benefits would they get from such software?
(10 marks)
- Q4. What management challenges can an IT manager face in building information systems that can give an organization a competitive edge?
(20 marks)
- Q5. a) Describe the steps that an IT manager of an organization can follow in developing a program.
(10 marks)
- b) Today's systems directly affect how managers decide, how senior managers plan and in many cases what products and services are to be produced. Justify the above statement basing your argument on the new role of information systems in an organization.
(10 marks)

END