



KIBABII UNIVERSITY
(KIBU)

UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR

END OF SEMESTER EXAMINATIONS
YEAR ONE SEMESTER ONE EXAMINATIONS

FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY

COURSE CODE : ITC 011

COURSE TITLE : introduction to information systems

DATE: 11/12/2019 TIME: 3.00 P.M.- 5.00 P.M.

INSTRUCTIONS TO CANDIDATE

ANSWERS QUESTION **ONE** AND **ANY OTHER TWO**.

QUESTION ONE (COMPULSORY) [24 MARKS]

- a) Define the word system? **[2 Marks]**
- b) What are some of the characteristics of a good system? **[5 Marks]**
- c) Give three functions of testing during system development **[3 Marks]**
- d) System implementation is done when the system is fully tested, well documented and staff well trained. Explain three of the documents produced during system development. **[6 Marks]**
- e) Differentiate between e-commerce and e-business **[4 Marks]**
- f) Apart from waterfall model, briefly explain any other four models of SDLC. **[4 Marks]**

QUESTION TWO [18 MARKS]

- a) Outline five types of feasibility used during SDLC? **[10 Marks]**
- b) There are reasons why an organization can initiate system analysis. Explain any four of the reasons. **[4 Marks]**
- c) Transaction processing systems are used to record day to day business transactions of the organization. Give examples of TPS and what they do. **[4 Marks]**
- d)

QUESTION THREE [18 MARKS]

- a) Define post implementation as used in system development. **[3 Marks]**
- b) There are three types of decisions made by different sections of the organization. Outline each of the decisions giving an example of each **[9 Marks]**
- c) Outline three types of maintenance. **[6 Marks]**
- d)

QUESTION FOUR [18 MARKS]

- a) There are a few types of prototype models that can be implemented by development teams based on their needs. Explain four of the models **[8 Marks]**
- b) What the difference between system programmer and system analyst? **[4 Marks]**
- c) Define the following terms:
 - i. Prototyping
 - ii. Agile
 - iii. Information system
 - iv. Portal
 - v. End-user
 - vi. Changeover **[6 Marks]**

QUESTION FIVE [18 MARKS]

- a) What are some of the tasks done during system implementation? **[6 Marks]**
- b) State the difference between parallel changeover and pilot changeover **[4 Marks]**
- c) With the use of a diagram, explain how organizational levels and information requirements are met. **[8 Marks]**