



KIBABII UNIVERSITY

(KIBU)

UNIVERSITY EXAMINATIONS

2019/2020 ACADEMIC YEAR

SPECIAL/SUPPLEMENTARY EXAMINATIONS

YEAR ONE SEMESTER ONE EXAMINATIONS

FOR THE CERTIFICATE IN

(INFORMATION TECHNOLOGY)

COURSE CODE : ITC 011

**COURSE TITLE : INTRODUCTION TO INFORMATION
SYSTEMS**

DATE: 09/02/2021

TIME: 2.00 P.M. – 4.00 P.M.

INSTRUCTIONS TO CANDIDATE

ANSWER 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]

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]

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 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]