



(Knowledge for Development)

KIBABII UNIVERSITY

(KIBU)

**UNIVERSITY EXAMINATION
ACADEMIC YEAR 2020/2021**

**END OF SEMESTER EXAMINATION
FIRST YEAR SECOND SEMESTER**

**MASTER OF SCIENCE IN
(INFORMATION TECHNOLOGY)**

COURSE CODE: MIT 821

COURSE TITLE: ENTERPRISE APPLICATION DEVELOPMENT

DATE: 27/11/2021

TIME: 2.00 P.M.- 5.00 P.M.

INSTRUCTIONS TO CANDIDATES

**ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER
TWO (2) QUESTIONS**

ALL QUESTIONS CARRY 20 MARKS EACH

This Paper Consists of 2 Printed Pages. Please Turn Over.

Page 1 of 2

QUESTION ONE (COMPULSORY) [20 MARKS]

- (a) Briefly explain of any two aspect of EDA you have used. [2 marks]
- (b) Discuss any Three challenges of EDA development [9 marks]
- (c) Discuss any Three objected oriented programming concepts [9 marks]

QUESTION TWO [20 MARKS]

- (a) Discuss the design issues in Enterprise Application development [10 marks]
- (b) Illustrate using diagram and html code the design of a simple graphical interface [10 marks]

QUESTION THREE [20 MARKS]

Discuss the following types of client server architecture

- (a) Two tier [6 marks]
- (b) Three tier [6 marks]
- (c) N-tier [8 marks]

QUESTION FOUR 20 MARKS

- (a) Explain the concepts of socket programming [6 marks]
- (b) Illustrate the socket programming using suitable code how to connect a client to a server [14 marks]

QUESTION FIVE 20 MARKS

- (a) Explain component based design as applied to EDA [10 marks]
- (b) Discuss deployment of EDA [10 marks]