



(Knowledge for Development)

KIBABII UNIVERSITY
(KIBU)

UNIVERSITY EXAMINATIONS
2021 / 2022 ACADEMIC YEAR

SPECIAL / SUPPLEMENTARY EXAMINATIONS
YEAR TWO SEMESTER TWO EXAMINATIONS

FOR THE DEGREE OF MASTERS OF
(INFORMATION TECHNOLOGY)

COURSE CODE : MIT 821

**COURSE TITLE : ENTERPRISE APPLICATION
DEVELOPMENT**

DATE: 24/11/2022

TIME: 2.00 P.M – 5.00 P.M

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE (COMPULSORY) [20 MARKS]

- (a) Explain the object paradigm [2 marks]
- (b) Explain any four concepts of object oriented design [8 marks]
- (c) Describe any five challenges of enterprise application development [10 marks]

QUESTION TWO [20 MARKS]

You have been contracted design an user interface (UI) for marimoto enterprises. Discuss any

- (i) Three human characteristics to be considered [6 marks]
- (ii) Discuss any four interface design principles [8 marks]
- (iii) The concept a mental model [6 marks]

QUESTION THREE [20 MARKS]

- (a) Using suitable example explain how you can create web application that has
 - (i) Three pages
 - (ii) Sounds
 - (iii) Colour
 - (iv) Tables
 - (v) Image [10 Marks]
- (b) With aid of example explain how you could use javascript to make a web content dynamic [5 Marks]
- (c) Explain how the Cascaded style sheet could be applied used in web design [5 marks]

QUESTION FOUR [20 MARKS]

- (a) With aid of an example illustrate socket programming [10 marks]
- (b) Identify the major objects for an imaginary student online admission system. For each object, list major state and behavior attributes. [10 marks]

QUESTION FIVE [20 MARKS]

- (a) Outline the servlet cycles with aid of examples [5 marks]
- (b) Describe the importance deployment of an enterprise application and how you this can be carried out. [8 marks]
- (c) Discuss the n-type client server architecture [5 marks]