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*(Knowledge for Development)*

**KIBABII UNIVERSITY  
(KIBU)**

**UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR**

**END OF SEMESTER EXAMINATIONS  
SECOND YEAR SECOND SEMESTER**

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

**COURSE CODE: MIT 846E/ MIT 844E**

**COURSE TITLE: E-LEARNING TECHNOLOGIES**

**DATE: 18/06/2022 TIME: 9.00 A.M -12.00 NOON**

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**INSTRUCTIONS**

**ANSWER QUESTIONS ONE AND ANY OTHER TWO.**

### **QUESTION ONE (COMPULSORY) [20 MARKS]**

- a. It is necessary for eLearning designers to understand their target audience then build content around their needs, limitations, preferences and wants. Discuss **[10 Marks]**
- b. The development of social media portals is argued to have enabled eLearning to be widespread. Argue for or against the statement **[10 Marks]**

### **QUESTION TWO [20 MARKS]**

- a. Blended mode of learning is perceived to put into consideration several learners' characteristics that could otherwise have been a challenge when face to face mode of learning is used. Discuss **[8 Marks]**
- b. E-learning is learning based on information and communication technologies with pedagogical interaction between students and the content, students and the instructors or among students through the web. Discuss **[12 Marks]**

### **QUESTION THREE [20 MARKS]**

- a. Different e-learning approaches can combine different types of e-learning components to achieve in order to present a good learning experience. Discuss the four e-learning components and how they are used to achieve a learning experience. **[8 Marks]**
- b. The introduction of technology in students' learning environment is argued to have significantly improved their quality of learning. This is made possible by the use of relevant tools and technologies. Describe the several tools and technologies essential for e-learning and how they are specifically used. **[12 Marks]**

### **QUESTION FOUR [20 MARKS]**

- a. Massive Open Online Courses (MOOCs) bring out the ability to experiment with pedagogical methods on a vast scale. Explain the reasons that motivate one to undertake MOOCs **[10 Marks]**
- b. Evaluating effectiveness of e-Learning system is important when teaching and learning takes place electronically. Explain how this can be achieved. **[10 Marks]**

**QUESTION FIVE [20 MARKS]**

- a. Discuss the theoretical frameworks relevant to the pedagogical aspects of online education **[10 Marks]**
- b. For any institutions of learning to successfully adopt electronic learning as a mode of learning, several factors have to be put into consideration. Describe the determinants of eLearning **[10 Marks]**