



MUEO

# **MOI UNIVERSITY**

OFFICE OF THE DEPUTY VICE CHANCELLOR  
(ACADEMICS, RESEARCH & EXTENSION)

## **UNIVERSITY EXAMINATIONS 2018/2019 ACADEMIC YEAR FOURTH YEAR FIRST SEMESTER EXAMINATION**

### **FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL AVIATION MANAGEMENT**

**COURSE CODE:** BCM 411

**COURSE TITLE:** AIRPORT PLANNING AND DESIGN

**DATE:** 10<sup>TH</sup> DECEMBER, 2018 **TIME:** 9.00 A.M. – 12.00 NOON

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### **INSTRUCTION TO CANDIDATES**

- ANSWER QUESTION ONE AND ANY OTHER THREE QUESTIONS

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## **BCM 411 : Airport Planning and Design**

### **Question One**

A lot of airports in Africa were built without a business plan and hence are not able to serve the intended purpose. Discuss five social economic factors that should be considered during the development of airport master plan to make it viable.

(25 Marks)

### **Question Two**

Discuss three strategies that can be used to reduce the congestion in airport departure halls due to slow passenger check in process.

(15 Marks)

### **Question Three**

Discuss three causes of delays in air cargo handling process in airports and how this can be reduced.

(15 Marks)

### **Question Four**

Marking of obstacles is important in ensuring air safety. Discuss three challenges that the aviation industry is likely to face in the process of ensuring that there are no obstacles on aircraft flight paths and the movement area of an airport.

(15 Marks)

### **Question Five**

Discuss three roles of an airport emergency operations centre and where it should be located.

(15 Marks)

### **Question Six**

Discuss three actions that should be taken to preserve evidence following an aircraft accident on or in the vicinity of an airport.

(15 Marks)