



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 412

COURSE TITLE: AIR TRAFFIC MANAGEMENT

DATE: 10TH DECEMBER, 2018 **TIME:** 2.00 P.M. – 5.00 P.M

INSTRUCTION TO CANDIDATES

- ANSWER QUESTION ONE AND ANY OTHER THREE QUESTIONS

THIS PAPER CONSISTS OF (2) PRINTED PAGES

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BCM 412: AIR TRAFFIC MANAGEMENT

QUESTION 1

a) Describe the following terms as applied in categorization of airspace restrictions in the Kenyan airspace. **(10 marks)**

- i. Danger Area;
- ii. Restricted Area;
- iii. Prohibited Area.

b) Briefly describe the designated positions of aircraft in the aerodrome traffic and taxi circuits

(15 marks)

QUESTION 2

Elucidate on the five types of air traffic services (ATS) as specified in Annex 11.

(15 marks)

QUESTION 3

Describe clearly the contents of an Air Traffic control clearance.

(15 marks)

QUESTION 4

Discuss how the following types Air Traffic Control separation are applied in separation of aircraft. **(15 Marks)**

1. Vertical separation
2. Longitudinal separation
3. Lateral separation

QUESTION 5

Describe the five objectives of the air traffic services.

(15Marks)

QUESTION 6

Describe any three emerging issues in Air Traffic Management

(15 Marks)