



MUEO

MOI UNIVERSITY

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

UNIVERSITY EXAMINATIONS 2018/2019 ACADEMIC YEAR THIRD YEAR FIRST SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL AVIATION MANAGEMENT

COURSE CODE: BCM 311

COURSE TITLE: AIRPORT MANAGEMENT

DATE: 14TH 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 (3) PRINTED PAGES

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BCM 311: AIRPORT MANAGEMENT

QUESTION 1

- a) Describe airport capacity and enumerate three types of airport capacity (10 Marks)
- b) List factors that cause delay in airports (5 Marks)
- c) Kenya Airports Authority has the mandate to manage day to day activities of airports in Kenya. Explain three responsibilities of KAA in connection to managing capacity and delays (6 Marks)
- d) Explain how a VOR (Very High Frequency (VHF) Omni-Directional Range) works and what guidance it provides for approaching aircraft (4 Marks)

QUESTION 2

- a) What are terminal buildings and explain the importance of these facilities (5 Marks)
- b) Describe an airport layout plan (10 Marks)

QUESTION 3

- a) Explain the elements of an airport master plan. (10marks)
- b) Discuss recent developments in airport security. (5 Marks)

QUESTION 4

- a) Explain the difference between aircraft accident and aircraft incident (4 Marks)
- b) Explain prohibited airspace (5 Marks)
- c) List and explain three types of airport ownership (6 Marks)

QUESTION 5

- a) Explain the following terms as precisely as possible; (15 Marks)
 - i. Grandfather Rights in Airports
 - ii. Primary Runway

- iii. Gate capacity
- iv. Class D airspace
- v. Horizontal surface

