



MUEO

MOI UNIVERSITY

**OFFICE OF THE DEPUTY VICE CHANCELLOR, ACADEMIC
AFFAIRS, RESEARCH & EXTENSION**

**UNIVERSITY EXAMINATIONS
2016/2017 ACADEMIC YEAR**

END OF SEMESTER EXAMINATIONS

**FOR THE DEGREE
IN BACHELOR OF BUSINESS AND ECONOMICS**

EXAM CODE:- BCM 411

COURSE TITLE:- AIRPORT PLANNING AND DESIGN

DATE:-12TH JUNE, 2017

TIME:- 9.00A.M. – 12.00NOON.

INSTRUCTION TO CANDIDATES

➤ SEE INSIDE.

THIS PAPER CONSISTS OF (1) PRINTED PAGES

PLEASE TURN OVER

Instructions

Answer question one and any other three questions

Question One

Many new airports have been built in Africa in the last twenty years but most of them fail to break even to the extent that the airport company needs assistance from the government to repay the loans borrowed to build the airport. One of the major reasons given for this is a poor business plan during the airport planning stage. Discuss five factors that should be considered seriously during the formulation of an airport business plan to make the airport become economically viable once it is complete.

(25 Marks)

Question Two

Discuss three social economic factors of a region that you would consider when choosing the location of a new airport.

(15 Marks)

Question Three

Explain why it is less complicated to design a cargo airport as compared to a passenger airport.

(15 Marks)

Question Four

Explain the importance and how the Precision Approach Path Indicators (PAPIs) of air airport work in guiding aircraft to affect a safe landing at an airport.

(15 Marks)

Question Five

a) Explain what is classified as an “obstacle” in an airport. **(5 Marks)**

b) Discuss how obstacles should be marked in an airport. **(5 Marks)**

(10 Marks)

Question Six

a) Explain the meaning of “Emergency Operations Centre (EOC)” of an airport. **(5 Marks)**

b) Discuss two reasons as to why the Emergency Operations Centre (EOC) of an airport should not be accessible to members of public.

(10 Marks)