



MUEO

MOI UNIVERSITY

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

UNIVERSITY EXAMINATIONS 2014/2015 ACADEMIC YEAR

FIRST YEAR END OF SEMESTER EXAMINATIONS

**FOR THE DEGREE OF
BACHELOR OF BUSINESS MANAGEMENT**

EXAM CODE: BCM 111

EXAM TITLE: INTRODUCTION TO AIR TRANSPORT

DATE: 4TH DECEMBER, 2015 TIME: 9.00 A.M.-12.00 NOON

INSTRUCTION TO CANDIDATES

➤ SEE INSIDE

Instruction: Answer questions One and any other three questions.

Question One

- a) Using illustrations elaborate on the nine air traffic freedoms. (10 Mrks)
- b) There are many organizations involved in civil aviation activities, give five examples of these organizations and explain their function (5 Mrks)
- c) Name and State Newton's Laws of Motions as well as Bernoulli's Principles (5 Mrks)
- d) Airports generate revenues using different methods, give and explain the two main ways of generating revenue by an airport. (5 Mrks)

Question Two

- a) Give the merits as well as the demerits of Airlines Alliances to both the passenger and the airline. (5 Mrks)
- b) List the world's major:
 - i) Aircraft Manufacturers
 - ii) Airlines
 - III) Airports (3 Mrks)
- c) The Atmosphere is made up of layers at different altitude, draw a structure of the atmosphere and explain its component. (7 Mrks)

Question Three

- a) State what the term aerodynamics means then draw a well illustrated aerofoil. (5 Mrks)
- b) There are forces that act on an aircraft in flight, list and explain these forces. (3 Mrks)
- c) The Atmosphere is made up of layers at different altitude, draw a structure of the atmosphere and explain its component. (7 Mrks)

Question Four

- a) List and explain the strategic activities of IATA to airlines. (5 Mrks)
- b) In order to fulfill its aims and objectives IATA is divided into various departments, each with a specific role to fulfill. What are the roles of the Traffic Department? (5 Mrks)
- c) ACI or in full Airport Council International is vested with different roles and objectives, list this roles and objectives. (5 Mrks)

Question Five

List and explain some of the present challenges in the Aviation Industry and how these challenges can be mitigated (15 Mrks)

Question Six

- a) Give the different types of passengers that use the terminal area of an airport giving clearly their characteristics and the impact they have on airport facilities. (10 Mrks)
- b) What does the following terms mean as used in aviation.
 - i. Code share
 - ii. The airfoil
 - iii. Franchising
 - iv. Block space agreements
 - v. Strategic alliance (5 Mrks)