



MUEO

MOI UNIVERSITY

OFFICE OF THE CHIEF ACADEMIC OFFICER

UNIVERSITY EXAMINATIONS

2017/2018 ACADEMIC YEAR

THIRD YEAR END OF SEMESTER EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF BUSINESS MANAGEMENT

COURSE CODE: BCM 325

COURSE TITLE: AVIATION SAFETY & SECURITY SYSTEMS

DATE: 12TH FEBRUARY, 2018

TIME: 8.00 AM - 11.00 AM

INSTRUCTION TO CANDIDATES

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BCM 325: AVIATION SAFETY AND SECURITY

*Instructions: Answer question **One** and any other **Three** questions*

Question 1.

- a) Using examples, write short notes on the following terminologies commonly used in Aviation safety and security.
- i. Active failures
 - ii. latent failures
 - iii. Individual accidents
 - iv. organizational accidents
- (12 Marks)**
- b) Discuss four purposes of defenses in a safety management system **(8 Marks)**
- c) Reminder cards are used in error management for safety. State five characteristics of the reminder cards. **(5 Marks)**

Question 2.

Discuss any five reasons for conducting error management in Safety operations.

(15 Marks)

Question 3.

Describe any five components of a good safety culture.

(15 Marks)

Question 4.

Using examples, discuss any five factors that impair human performance

(15 Marks)

Question 5.

Explain five factors to consider when handling a Contingency plan for an aircraft security emergency.

(15 Marks)

Question 6.

"Act of unlawful interference" means an act, or attempted act, intended to jeopardize the safety of civil aviation and air transport. Discuss any five ways which can be described as acts of unlawful interference.

(15 Marks)