



MUEO

MOI UNIVERSITY

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

UNIVERSITY EXAMINATIONS 2022/2023 ACADEMIC YEAR SECOND YEAR FIRST SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELOR OF CIVIL AVIATION MANAGEMENT

COURSE CODE: BCM 201

COURSE TITLE: AVIATION REGULATIONS

DATE: 10TH AUGUST, 2023 **TIME:** 9.00 A.M. – 12.00 P.M

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF (2) PRINTED PAGES

PLEASE TURN OVER

BCM 201 –AVIATION REGULATIONS

INSTRUCTIONS:

ANSWER QUESTION ONE AND ANY OTHER THREE QUESTIONS

QUESTION ONE

- a) Briefly explain the role of the International Civil Aviation Authority in line with the five strategic objectives

(15 marks)

- b) Kenya Civil Aviation Authority (KCAA) play a critical role in Aviation in the country. State any three of the primary functions of KCAA

(4 Marks)

- c) List the three application of the provision of the Civil Aviation Act, 2013 or any regulations made there under. (6 Marks)

QUESTION TWO

The operation of an aeroplane either in flight or on the movement area of an aerodrome is to be in accordance with the general rules and, when in flight, either the visual flight rules (VFR), if the aircraft is flown in visual meteorological conditions (VMC) or the instrument flight rules (IFR). Briefly explain the provisions of;

- a) General Rules (5 Marks)
b) Visual Flight Rules (5 Marks)
c) Instrument flight Rules (5 Marks)

QUESTION THREE

- a) The concept of safety in aviation may have different characteristics depending on the perspective. What are these characteristics?

(4 marks)

- b) Explain the meaning of the following terms as pertains to Safety Management in the Aviation Industry.

1. Hazard (2 Marks)

2. Risk (2 Marks)

3. Risk Management

(2 Marks)

- c) State the obligations under the state safety risk management in which the Kenya Civil Aviation Authority is mandated to establish and maintain mechanisms & processes to manage safety risks. (5 marks)

QUESTION FOUR

An aerodrome in Kenya can either be certified, licensed or registered. State the requirements during the initial application for;

- a) Aerodrome Certification
b) Aerodrome Licensing

(8 Marks)

(7 Marks)

QUESTION FIVE

Citing the relevant the Kenya Civil Aviation regulation, identify any three types of pilot's licenses that can be issued in Kenya and their respective basic requirements. (15marks)

QUESTION SIX

Unmanned Aircraft System operations shall be categorized based on the risk posed by the type of operations. State the three categories UAS operations, their level of risk and a description of their operations. (15marks)