



MUEO

MOI UNIVERSITY

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

UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

FOURTH YEAR FIRST SEMESTER EXAMINATION

FOR THE DEGREE OF

BACHELOR

OF

CIVIL AVIATION MANAGEMENT

COURSE CODE: BCM 413

COURSE TITLE: AERONAUTICAL INFORMATION
SERVICES

DATE: 9TH DECEMBER, 2022 **TIME:** 2.00 P.M. – 5.00 P.M

INSTRUCTION TO CANDIDATES

- SEE INSIDE.

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BCM 413 - AERONAUTICAL INFORMATION MANAGEMENT & FACILITATION FINAL EXAM 2022.

INSTRUCTIONS:

Answer Question One and any other Three Questions.

Question 1.

- a) The International Civil Aviation Organization (ICAO) has developed a roadmap for the transition from AIS to AIM. Discuss **any five** benefits that states will drive from this transition. (15 Marks)
- b) Discuss the provisions and application of Annex 9 with respect to Persons with Disability in the Kenyan context. You may also refer to other industry standards. (10 Marks)

Question 2.

A pilot of a flight departing from Jomo Kenyatta International Airport to Entebbe in Uganda has gone to the AIS briefing office for briefing. As an AIS/AIM Officer discuss **five** items included in your checklist for the pre-flight briefing. (15 Marks)

Question 3.

Identify **any five** message types associated with a Flight plan and briefly explain the purpose of each of the messages.

Question 4.

Explain the following terminologies as used in AIS/AIM (15 Marks)

- a) Aeronautical data chain
- b) Aerodrome mapping
- c) Aeronautical Information Products

Question 5.

Mr. Gachagua has bought a private aircraft and would wish to apply for a clearance to operate private flights in Kenya. He has approached you as a consultant to assist him do the application to the Director General Kenya Civil Aviation Authority. Highlight **any five** contents of the private aircraft application. (15 Marks)

Question 6.

The table below shows the AIRAC cycle dates. Fill in the blank spaces with the appropriate dates. (15 Marks)

LATEST DATE OF INFORMATION TO REACH AIS HQs	LATEST DATE OF PUBLICATION	EFFECTIVE DATE OF IMPLEMENTATION
		12 SEP 2019
	29 AUG 2019	
12 SEP 2019		
	24 OCT 2019	
		02 JAN 2020

Question 7.

- a) Discuss the applicability of Departure Prohibition Orders by the Kenya Revenue Authority in light of the provisions of Annex 9.
- b) Explain the meaning and application of following terms:
 - i) Passenger Name Record
 - ii) Electronic Travel System

(15 Marks)

Question 8.

- a) With the aid of an appropriate illustrative example, clearly explain the parameters that are included in the AIP data set.
- b) Explain the meaning of 'metadata' and hence highlight the minimum required metadata for a data set.
- c) Highlight four ways in which corrective action may be achieved in the issue of aeronautical information.

(15 Marks)

