



**EAST AFRICAN SCHOOL OF AVIATION
EXAMINATION
SAFETY SECTION**

DIPLOMA IN FLIGHT DISPATCH

EWAC NO.05

FINAL EXAMINATION

SUBJECT: AIR TRAFFIC MANAGEMENT

Duration: 02 hrs.

DAY/DATE:

TIME: 1400HRS – 1600HRS

INSTRUCTIONS TO CANDIDATES.

1. This paper consists of **three (3)** printed pages.
2. Read **ALL** questions carefully before attempting any. Answer them as is appropriate.
3. The paper consists of **six (6)** questions. Attempt **ALL** the questions.

1. Define the following terms;
 - a) Control zone **(2 Marks)**
 - b) Controlled aerodrome **(2 Marks)**
 - c) unidentified traffic **(2 Marks)**
 - d) Special VFR flight **(2 Marks)**
 - e) Air report **(2 Marks)**

2.
 - a) State the objectives of air traffic services. **(3 Marks)**
 - b) State the three (3) divisions of air traffic services. **(3 Marks)**
 - c) The need for the provision of air traffic services shall be determined by considering what factors? **(4 Marks)**
 - d) How are air traffic services airspaces classified and designated? **(6 Marks)**
 - e) At what height above ground or water is the lower limit of a control area established? **(1 Marks)**
 - f) How are air traffic services units and airspaces identified as recommended? **(3 Marks)**

3.
 - a) Except when necessary for take-off or landing, or with permission from the appropriate authority, no person may operate an aircraft below what safety heights? **(2 Marks)**
 - b) What is considered as "normal aviation practice"? **(2 Marks)**
 - c) To which aircraft are the rules of the air applicable? **(2 Marks)**
 - d) What rules of the air apply to the following?
 - i. Approaching head on
 - ii. Prohibited areas and restricted areas
 - iii. Taking off **(6 Marks)**
 - e) What action should be taken by an ATS unit in acceptance of a flight plan? **(4 Marks)**
 - f) When is a through flight plan filed? **(3 Marks)**

4.
 - a) Briefly describe the contents of an ATC clearance **(5 Marks)**
 - b) How is the clearance limit specified? **(3 Marks)**
 - c) In Kenya, where are VFR flights prohibited? **(3 Marks)**
 - d) State the VMC visibility and distance from cloud minima applicable to VFR flying at and above 10,000 feet AMSL? **(4 Marks)**
 - e) What rule is applicable to IFR flights with respect to cruising levels? **(4 Marks)**

5.
 - a) What are the contents of section II of an air report? **(4 Marks)**
 - b) State the three (3) designated meteorological reporting points in East Africa. **(3 Marks)**
 - c) Explain the meaning of "operations normal" procedure. **(2 Marks)**
 - d) When is radio communication failure assumed? **(4 Marks)**
 - e) Briefly describe the basic IFR procedure to be followed by the pilot experiencing radio communication failure. **(6 Marks)**

6.

- a) When an aircraft is in a state of emergency, what SSR codes will she squawk? State the meaning of each. **(3 Marks)**
- b) Briefly explain the ATC action on learning of the interception of a civil aircraft. **(3 Marks)**
- c) What lights shall be displayed by all aircraft in flight? **(2 Marks)**
- d) When shall a pilot be permitted to switch off or reduce the intensity of any flashing lights? **(2 Marks)**
- e) What is the minimum intensity to be used for navigation lights? **(3 Marks)**