

**AIS AND FLIGHT PLANNING PROGRESS TEST**

**SECTION: AIR TRAFFIC SERVICES**

**TIME:1430 -1600 Hrs**

**DURATION: 1 1/2 HOURS**

**DATE: 21<sup>st</sup> Apr 2017.**

**Stream: ATC 73.**

Instructions to students:

1. Attempt all the questions in Section A and in Section B

**SECTION A: AERONAUTICAL INFORMATION SERVICE**

1. Define the following terms as used in AIS **6 marks**
  - a) Aeronautical Information Publication
  - b) AIP supplement
  - c) AIP amendment
  
2. A notice containing information concerning flight safety, air navigation, technical, administrative, or legislative and originated at the AIS of a state is called: **2 marks**
  - a) AIP
  - b) AIC
  - c) NOTAM
  - d) AIRAC
  
3. What is the need for Aeronautical Information Service? **3 marks**
  
4. What is the colour of AIP supplements? **2 marks**
  
5. What is the maximum duration for a NOTAM? **2 marks**
  
6. List any 3 colour codes used in Aeronautical Information Circulars. **3 marks**

**SECTION B: FLIGHT PLANNING**

**Given the following flight information, blank ATS flight plan form, equipment look-up table and a chart, file an ATS flight plan on behalf of the pilot. 30 Marks**

Aircraft Identification: **Kenya Airways, Flight Number 111**

Type of flight: **Scheduled Flight**

Type of aircraft: **C208**

Wake Turbulence Category: **Medium**

Equipment and capabilities: **GNSS, DME, ADF, VHF RTF, 8.33 KHZ channel spacing capability, CPDLC Fans 1/A HFDL, PBN approved, SSR transponder Mode A(4 digits-4096 codes) and Mode C, and ADS-B with dedicated 1090 MHz ADS-B “out” and “in” capability.**

Departure Aerodrome: **Wajir International Airport**

EOBT: **4.30 am Local Time**

Cruising speed: **170 Nautical Miles Per Hour**

Destination Aerodrome: **Mandera Airstrip**

Destination Alternate Aerodrome: **Ngao Airstrip (0254N 039054E -Not Yet Assigned an ICAO Location Indicator)**

En-route alternate Aerodrome: **HKEW**

Take-off Alternate Aerodrome: **HKWY**

PBN approvals: **RNAV 5 GNSS, RNAV 2 DME/DME and RNP 4**

Endurance: **4 ½ Hours**

Jackets: **UHF**

Aircraft color: **Green, Silver**

Dinghies: **NIL**

Emergency Radio: **ELBA**

Pilot in Command: **Kivaya V.**

Survival equipment: **Maritime**

Additional information: **The flight will calibrating NAV aids along the route**