



EAST AFRICAN SCHOOL OF AVIATION

FINAL EXAMINATION

SUBJECT: ATC PROCEDURES

STREAM: ATC 70 - ICAO CODE: 053

DURATION 2 hrs

DATE: 24TH AUGUST 2016

Time:8.30-10.30 AM

INSTRUCTION TO CANDIDATES

1. *This paper consists of TWO (2) pages*
2. Attempt all questions
3. Read and understand all questions before attempting.
4. Show all your workings and calculations. Marks awarded for calculations

1. Define
 - a. Aircraft proximity.
 - b. Air traffic control clearance.
 - c. Approach control service.
 - d. Controlled airspace.
 - e. Distress phase. **(10 Marks)**
2. When will the following transfers be made
 - a. arriving flights from Approach control to Aerodrome control **(8 Marks)**
 - b. Departing flights from Aerodrome to Approach control. **(10 Marks)**
3. When may Approach delegate some of its functions to aerodrome Control? **(3 Marks)**
4. What conditions will apply when an IFR flight is cleared to fly subject to maintaining visual meteorological conditions **(6 Marks)**
5. State
 - a. the NDB separation for
 - ii. Two outbound aircraft- **(3 Marks)**
 - iii. One inbound and one outbound aircraft- **(3 Marks)**
 - b. Dead reckoning (DR): **(4 Marks)**
6. For the purpose of application of longitudinal separation, what is the meaning of the following terms
 - a. Same track **(4 Marks)**
 - b. Reciprocal tracks **(4 Marks)**
7. State the applicable standard longitudinal time separation used in East Africa for aircraft climbing or descending in the following circumstances;
 - a. Same track **(6 Marks)**
 - b. Crossing tracks **(4 Marks)**
 - c. Reciprocal tracks **(3 Marks)**
8. The time is now 0110.
 Eastbound aircraft "A" has passed a R.P. at 0106 and has groundspeed of 250 knots.
 Westbound aircraft "B" is estimated over the same R.P. at 0125 with a groundspeed of 450 knots.
 At what time will they pass?
 Show your working and proof your answer. **(10 Marks)**
9. When requested by the pilot and reports indicate this is possible, under which conditions may an IFR flight be cleared to make an approach maintaining VMC? **(10 Marks)**
10. What action is expected of an ATS unit when Unlawful interference with an aircraft is known or suspected? **(12 Marks)**