



EAST AFRICAN SCHOOL OF AVIATION

FINAL EXAMINATION

SUBJECT: AVIATION METEOROLOGY

STREAM: ATC 70 - ICAO CODE: 053

DURATION 2 hrs

DATE: 1st SEPT 2016

Time:8.20-10.20 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.**
 - a. List down the 3 (three) types of altimeter setting errors. **(6 Marks)**
 - b. Name 5 (five) effects of altimeter setting errors? **(10 Marks)**
 - c. Discuss the effect of altitude on flight. **(9 Marks)**

- 2.**
 - a. How does low level wind shear affect an aircraft? **(6 Marks)**
 - b. List down 4 (four) effects of turbulence to an aircraft. **(8 Marks)**
 - c. Define a thunderstorm **(2 Marks)**
 - d. Name 5 (five) effects of thunderstorms to flight operations. **(10 Marks)**

- 3.**
 - a. List down the 3 (three) methods of assessing Runway Visual range. **(6 Marks)**
 - b. Name 3 (three) conditions favourable for the formation of radiation fog. **(6 Marks)**
 - c. List down any 6 (six) causes of reduced visibility. **(12 Marks)**

- 4.**
 - a. Name the 5 (five) types of fog you know. **(10 Marks)**
 - b. Define a tropical revolving storm. **(3 Marks)**
 - c. What are the effects of tropical revolving storms on aviation? **(12 Marks)**