



**EAST AFRICAN SCHOOL OF AVIATION**

**ATC COURSE No. 72**

**FINAL**

**SUBJECT: AVIATION METEOROLOGY**

**STREAM: APPROAC CONTROL COURSE No. 72**

**Duration: 2 Hrs**

**DATE: 27/09/2016**

**TIME 11.00 – 1.00 PM**

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**INSTRUCTION TO CANDIDATES**

1. This paper consists of **TWO (2)** Pages
2. Attempt all questions
3. Read and understand all questions before attempting

1.
  - a. List down the 3 (three) types of altimeter setting errors. **(6 Marks)**
  - b. Name 3 (three) effects of altimeter setting errors? **(6 Marks)**
  - c. Discuss 3 (three) effects 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. Differentiate between fog and mist. **(4 Marks)**
  
4.
  - a. Name 5 (five) types of fog. **(10 Marks)**
  - b. Define a tropical revolving storm. **(3 Marks)**
  - c. Explain 4 (four) effects of tropical revolving storms on aviation. **(8 Marks)**
  
5.
  - a. Describe the 3 (three) de-icing and anti-icing methods. **(6 Marks)**
  - b. List down 5 (five) operational problems associated with icing. **(10 Marks)**