



EAST AFRICAN SCHOOL OF AVIATION

END TERM EXAM 1

DIPLOMA IN AERONAUTICAL ENGINEERING

INDUSTRIAL ORGANIZATION AND MANAGEMENT

**Stream: MODULE 3 & TEP YEAR 3 (A&E + AVIONICS)
(AE 311 & AVI 311)**

DAY/DATE: MONDAY 03/04/2017 TIME: 2.00 PM - 5.00 PM.

INSTRUCTIONS TO CANDIDATES

1. This paper consists **THREE (3)** questions,
2. Answer **ANY FIVE** questions.

QUESTION ONE

- a) Outline 6 objectives of production planning and control **(6 marks)**
- b) Explain five factors to be considered when designing plant layout. **(10 marks)**
- c) Differentiate between shop and master schedule. **(4 marks)**

QUESTION TWO

- a) Differentiate between preventive and breakdown maintenance. **(6 marks)**
- b) Explain the term maintenance. **(4 marks)**
- c) Outline five objectives of maintenance. **(10 marks)**

QUESTION THREE

- a) Identify six functions of purchasing department. **(6 marks)**
- b) Using a neat illustration, explain the organization of purchasing department. **(10 marks)**
- c) Differentiate between maximum and minimum levels as applied in inventory management. **(4 marks)**

QUESTION FOUR

- a) Define the term plant location. **(4 marks)**
- b) Outline six functions of management. **(5 marks)**
- c) Explain five factors to consider when deciding the choice of plant location. **(10 marks)**

QUESTION FIVE

- a) Define the term work study. **(3 marks)**
- b) Explain three reasons why employees may resist work study. **(9 marks)**
- c) Assuming that the total observed time for an operation of assembling an aircraft landing gear is five minutes. If the rating is 110%, find the normal time.

If an allowance of 12% is allowed for the operation, determine the standard time. **(8 marks)**

QUESTION SIX

- a) Explain the term codification as applied in stores management. **(4 marks)**
- b) With a neat illustration, explain two documents used in stores management. **(10 marks)**
- c) Outline six duties of a store keeper. **(6 marks)**

QUESTION SEVEN

- a) Outline six principles of management. **(6 marks)**
- b) Differentiate between formal and informal organization. **(6 marks)**
- c) Explain any two types of organization charts. **(8 marks)**

QUESTION EIGHT

- a) Define the term management. **(4 marks)**
- b) Outline the elements of production planning and control. **(6 marks)**
- c) Explain any two types of production. **(10 marks)**