



**THE KENYA POLYTECHNIC UNIVERSITY**

**COLLEGE**

**DEPARTMENT OF INSTITUTIONAL MANAGEMENT**

**DIPLOMA IN CLOTHING TECHNOLOGY**

**END OF YEAR I EXAMINATIONS**

**NOVEMBER 2007 SERIES**

**INDUSTRIAL ORGANIZATION AND MANAGEMENT**

**TIME: 2 ½ HOURS**

**Instructions to Candidates**

*Answer any FIVE of the following SIX questions*

*All questions carry equal marks*

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1.
  - a) Define the following terms;
    - i) Through-put time (1 mark)
    - ii) Plant layout (1 mark)
    - iii) Lead time (1 mark)
    - iv) Organization chart (1 mark)
    - v) Shelf life (1 mark)
  - b)
    - i) Describe each of the following production systems;
      - Make through (2 marks)
      - Progressive bundle (2 marks)
    - ii) Outline TWO advantages and TWO disadvantages in each case above. (8 marks)
  - c) Highlight THREE criteria of classifying a storage facility. (3 marks)
2.
  - a) Discuss each of the following;
    - i) Process layout (2 marks)
    - ii) Product layout (2 marks)
    - iii) Fixed position layout (2 marks)
    - iv) Cellular layout (2 marks)
  - b) Describe the following material handling systems;
    - i) Overhead rails (2 marks)
    - ii) Manual humping (2 marks)
    - iii) Gravity chutes (2 marks)
  - c) Identify TWO short comings of the systems in question 2(b) above. (6 marks)
3.
  - a) Describe the following management styles;
    - i) Management by objective (3 marks)
    - ii) Management by crisis (2 marks)
  - b) Outline TWO merits and TWO demerits in each case above. (8 marks)

- c) Explain the THREE major causes of accidents in a working environment. (6 marks)
4. a) Explain FIVE factors to bear in mind when choosing a production layout. (10 marks)
- b) Discuss FIVE factors to consider in selecting a material handling system. (10 marks)
5. a) Management is both an arts and a science. Discuss this phrase citing relevant examples. (4 marks)
- b) i) With the aid of an illustration describe the Maslow's hierarchy of needs. (10 marks)
- ii) Explain ways in which an employer can satisfy the THREE cover levels of needs of the Maslow's hierarchy of needs. (6 marks)
6. a) Describe the following organization structures citing TWO advantages and TWO disadvantages in each case.
- i) Line organization (4 marks)
- ii) Line and staff (4 marks)
- iii) Functional line (4 marks)
- b) Outline TWO advantages for each of the following sources of staff.
- i) Field trips (2 marks)
- ii) Snow balling (2 marks)
- iii) Employment bureau (2 marks)
- iv) Jobbers (2 marks)