

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF  
PROCUREMENT AND LOGISTICS MANAGEMENT**

**BPLM 311: SYSTEMS PRODUCTION MANAGEMENT**

**STREAMS: BPLM (Y3S1) ODEL**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 14/04/2025**

**8.30 A.M. – 10.30 A.M.**

**INSTRUCTIONS**

- **Answer question ONE and any other two questions**

- 1 (a) A newly incorporated manufacturing company has decided to use the cellular production system in its manufacturing process. Explain the benefits of using this production system **(10 Marks)**
- (b) Explain the factors that determine the location of production plants in a competitive business environment **(10 Marks)**
- (c) Discuss any Five challenges that are associated with designing service systems **(10 Marks)**
- 2 (a) Explain the circumstances may influence the adoption of the fixed position plant layout in production **(10 Marks)**
- (b) Corner Furniture Ltd designs and makes modern furniture that is relatively expensive in its workshop in a major town in Kenya. The company imports most of the raw materials to make it have a competitive advantage over its competitors. The company has decided to change its plant layouts due to expansion of its workshop. Explain the benefits that the company would derive from having well designed workshop layouts **( 10 Marks)**

3 (a) The Government intends to implement a computerization programme for small scale manufacturing companies at the industrial areas of Kenya. Explain the benefits of computerizing the small scale manufacturing companies in those areas ( 10 Marks)

(b) State and explain the adverse consequences of producing poor quality products of soft drinks in a very competitive market ( 10 Marks)

4 (a) The ideal method of inspecting raw materials for quality control is 100% inspection. State and explain the benefits of this method of inspection. ( 10 Marks)

(b) Discuss the benefits of regularly doing plant maintenance of machines and equipment for manufacturing organizations ( 10 Marks)

.....