

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

BPLM 311: SYSTEMS PRODUCTION MANAGEMENT

STREAMS: BPLM Y3S1

TIME: 2 HOURS

DAY/DATE: FRIDAY 06/12/2019

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- **Answer question ONE and any other TWO questions.**

- Q1. (a) Production and operations management has today become of benefit to many organizations. Discuss the importance of production and operations management to an organization. (10 marks)
- (b) State and explain the five variables that define the conceptual framework of a production system. (10 marks)
- (c) Describe the benefits of using a cellular manufacturing system. (10 marks)
2. (a) The ideal method of checking quality is by doing 100% inspection. Give any five limitations of 100% inspection of products that are produced in lots. (10 marks)
- (b) Some products stay in the market for a long time without failing. State five reasons that explain the strategies that organizations use to increase the life of their products in the market. (10 marks)
3. (a) The service sector in Kenya has grown very much in the last few years. Give reasons to explain this growth. (10 marks)
- (b) State and explain any five challenges of using a fixed position layout in operations. (10 marks)
4. (a) Explain the factors that influence the quality of a manufactured product. (10 marks)

- (b) Explain the benefits of having a good schedule of a preventive maintenance program in a manufacturing organization. (10 marks)
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