



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR
THE DEGREE OF MASTER OF HUMAN RESOURCE
MANAGEMENT
(CITY CAMPUS – EVENING)**

**BMM 817: PRODUCTION AND OPERATIONS
MANAGEMENT**

Date: 23rd July, 2014

Time: 5.30 – 8.30 p.m.

INSTRUCTIONS:

- Attempt Question ONE and any other TWO questions.
- Question one carries 30 marks, the rest 20 marks each.



QUESTION 1

- a) ABC, HML, VED, FSN, GOLF, and SOS analyses are various techniques used in inventory control. However, the most widely used method of inventory control is ABC analysis. Other than ABC analysis, explain the application of the other techniques (10mks)
- b) Examine the advantages of job-shop production (5mks)

QUESTION 2

In Plant Systems Design it is important to plan capacity. What is the importance of capacity planning decisions? (15mks)

QUESTION 3

Using the roles plants are expected to play, identify and discuss the types of plants that may be located in different places by an organization (15mks)

QUESTION 4

Production Planning and Control is in the scope of operations management. Examine the five functions performed under production planning and control. (15mks)

QUESTION 5

Discuss the Principles of Plant Layout (15mks)

QUESTION 6

- a) Explain the benefits of Just in Time production systems (5mks)
- b) Shiego Shingo, a Japanese JIT authority and engineer at the Toyota Motor Company identifies seven wastes as being the targets of continuous improvement in production process. By attending to these wastes, the improvement is achieved. Discuss these wastes. (10mks)