

THE OPEN UNIVERSITY OF SRI LANKA
BACHELOR OF MANAGEMENT STUDIES (BMS) DEGREE PROGRAMME
LEVEL 4
ASSIGNMENT TEST: 2018
OPERATIONS MANAGEMENT MCU2205
DURATION: TWO (02) HOURS



Date: 21st January, 2018

Time: 2.00 pm to 4.00pm

Instructions:

- ***Answer Question 01 (Compulsory question) & any two (02) from other Questions.***
- ***Your answers to the questions must be focused.***

Q1. Answer all parts.

- Describe the transformation process of the operation function with a suitable illustration and an example. (10 Marks)
- Briefly explain what is meant by “value-added”. (04 Marks)
- Give 4 changes that took place in manufacturing with the industrial revolution that took place in Europe in 18th century. (04 Marks)
- Describe what is meant by ‘Division of Labour’. (04 Marks)
- State two benefits of practicing ‘Division of Labour’. (04 Marks)
- Describe following in relation to operations strategy.
 - Cost
 - Quality
 - Speed of delivery
 - Flexibility(12 Marks)
- Describe ‘Make-to-stock’ and ‘Make-to-order’ production orientations of an organization. (06 Marks)
- Discuss the basis of ‘Just in Time’ (JIT) production practices. (06 Marks)

(end of compulsory question)

- Q2. a. Explain following manufacturing systems with suitable examples.
- i. Project manufacturing system.
 - ii. Job shop manufacturing system.
 - iii. Repetitive manufacturing system.
 - iv. Batch processing system.
 - v. Continuous processing manufacturing system. (20 Marks)
- b. Describe how the 'lightly standardized' and 'highly customized' nature of the production affects the manufacturing system. (05 Marks)
- Q3. a. Explain what is meant by productivity of a manufacturing organization. (5 Marks)
- b. Describe 4 factors that affect productivity of a manufacturing facility. Briefly explain how these factors contribute to organizational productivity. (12 Marks)
- c. Describe 4 steps that can be used by an organization to improve its productivity. (8 Marks)
- Q4. a. Explain the benefits of a good facilitates layout for a manufacturing organization. (10 Marks)
- b. Describe the following basic facilities layout types with their key features.
- i. Process layout
 - ii. Product layout
 - iii. Fixed position layout (15 Marks)

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