

THE OPEN UNIVERSITY OF SRI LANKA  
BACHELOR OF MANAGEMENT STUDIES (HONOURS) DEGREE  
PROGRAMME

LEVEL 04

ASSIGNMENT TEST – 2023

OSU4505: OPERATIONS MANAGEMENT

DURATION: TWO (02) HOURS



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DATE: 13<sup>th</sup> AUGUST 2023

TIME: 9.30 am. – 11.30 am.

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**Instructions:**

Answer all four (04) questions. All questions carry equal marks.

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**Question 01**

(a) "Operations Management is important not just for organizations, but for the whole nation". Explain the importance of Operations Management in the current business arena.

(10 Marks)

(b) Chamara is an entrepreneur who has a small garment factory with 10 employees. Assuming this scenario explain the production system relating to the shirt production (sewing) process.

(15 Marks)

**(Total 25 marks)**

**Question 02**

(a) "Different production systems are applied in different manufacturing organizations". Identify and explain different production systems/manufacturing systems that you observe in the environment with suitable examples.

(10 Marks)

(b) Tharaka is planning to start a new fast-food outlet in your area. What are the operations management strategies that Tharaka can adopt to succeed in his business? Explain using suitable examples.

(15 Marks)

**(Total 25 marks)**

**Question 03**

(a) "Manufacturing organizations, as well as service-oriented organizations, are striving to maximize their productivity". Assume that you are a manager in the retail business and recommend ways of increasing productivity in the Sri Lankan retail industry.

(10 Marks)

(b) Kumara is a baker and he produces 1000 loaves of bread worth Rs. 125/- each per week. To get it produced, he use the following inputs with the respective quantities.

200 kg of wheat flour at the price of Rs.300/- per Kg.

Labour cost Rs.15,000/-

Energy (Gas and electricity) Rs.10,000/-

From the above information calculate,

- I. Partial productivity
- II. Multifactor productivity
- III. Total productivity

(15 Marks)

**(Total 25 marks)**

**Question 04**

(a) Explain the benefits that an organization can achieve when they have a properly planned facility layout.

(10 Marks)

(b) Explain the following terms with suitable examples

- I. Job production
- II. Batch production
- III. Flow production

(15 marks)

**(Total 25 marks)**