

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF COMMERCE

DEPARTMENT: ECONOMICS

PROGRAMME: MSc PURCHASING AND SUPPLY CHAIN MANAGEMENT

COURSE CODE SCM510: OPERATIONS MANAGEMENT AND CONTROL

DURATION: 3 HOURS

TOTAL MARKS: 100

INSTRUCTIONS TO CANDIDATES

1. This paper carries six questions
2. Answer any four (4) questions.
3. All questions carry 25 marks.
4. Cellphones are not allowed in the examination room.

JUN 2025

QUESTION ONE

In any operation, the mechanisms that actually transform inputs into outputs are called processes. With aid of examples, explain how operations processes can be characterised.

[25 Marks]

QUESTION TWO

Explain how the market can influence operations performance objectives.

[25 Marks]

QUESTION THREE

Using Hayes and Wheelwright operations strategy model, evaluate the role and contribution of the operation function to the organization.

[25 Marks]

QUESTION FOUR

Identify and explain five (5) types of operations processes illustrating how these processes can be distinguished.

[25 Marks]

QUESTION FIVE

Describe the strategic factors that can influence decisions on supply network design. [25 Marks]

QUESTION SIX

With an aid of an example, explain in detail what cycle inventory is and examine the factors that determine the lot size in cycle inventory.
25 Marks]

END OF PAPER