



ZIMBABWE EZEKIEL GUTI UNIVERSITY

**FACULTY OF LAW, BUSINESS INTELLIGENCE AND
ECONOMICS**

**DEPARTMENT OF ECONOMICS, MARKETING, AND ENTREPRENEURSHIP
EXAMINATION PAPER**

BACHELOR OF COMMERCE HONOURS DEGREE IN SUPPLY CHAIN MANAGEMENT

MODULE CODE : CPS412

MODULE TITLE : Material Planning and Production Control I (CPS405)

SPECIAL REQUIREMENTS : None

DURATION : 3 Hours

LEVEL : 4.1

23 SEP. 2024

DATE :

INSTRUCTIONS TO CANDIDATES:

1. No cell phones are allowed in the examination venue
2. Use of silent, non-programmable calculators is allowed
3. Answer ALL questions in Section A and any three (3) questions in Section B.
4. The number of marks for each question or part question is shown in brackets []
5. Begin each answer on a new page.
6. **DO NOT OPEN THIS PAPER UNTIL THE INVIGILATOR INSTRUCTS YOU.**

SECTION A (compulsory)

QUESTION ONE

- (a) Briefly discuss the objectives of production planning and control in manufacturing organisations. (10 marks).
- (b) Briefly explain the phases of production planning and control (5marks).
- (c) Using relevant examples, explain the factors that affect production system in manufacturing organisations in Zimbabwe and suggest ways in which production systems can be enhanced. (10 marks).

SECTION B (answer any three questions)

QUESTION TWO

Discuss the functions of Master Production Schedule (MPS). (25 marks)

QUESTION THREE

Using supply chain examples, distinguish between Enterprise Resource Planning (ERP) and Material Requirement Planning(MRP).(25 marks)

QUESTION FOUR

Explain the concept of Just- in- time and how it can be used to manage inventory.

(25 marks)

QUESTION FIVE

Write brief notes on the following concepts.

- (a) Process planning (5marks)
- (b) Production Scheduling (5marks)
- (c) Product planning (5marks)
- (d) Routing (5 marks)
- (e) Aggregate planning (5marks)

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