



**REFORMED CHURCH UNIVERSITY**

---

**FACULTY OF COMMERCE**

**BACHELOR OF COMMERCE HONOURS DEGREE IN  
LOGISTICS AND SUPPLY CHAIN MANAGEMENT  
PRODUCTION AND OPERATIONS MANAGEMENT**

**HLSM 427**

**PART 4 SEMESTER 1**

**TOTAL MARKS [100]**

**DATE: OCTOBER 2024**

**Time: 3 Hours**

---

**INSTRUCTIONS**

1. This paper has *six (6)* questions
2. Answer question *one (1)* and *any* other *three (3)*
3. Each question carries *25 marks*
4. Start each question on a new page

1. Discuss any 5 types of inventory and their associated costs in a manufacturing company of your choice. [25 marks]
2. Explain the Economic Order Quantity (EOQ) model, and its applications in a manufacturing company of your choice. [25 marks]
3. Analyze any 5 factors influencing inventory management decisions in manufacturing companies operating in developing countries. [25 marks]
4. Explain the following as applied in production and operations management of an organization:
  - (i) Gantt charts (8)
  - (ii) Critical Path Method (CPM) (8)
  - (iii) Program Evaluation and Review Technique (PERT) (9)
5. Discuss the challenges project management in production and operations of an organization of your choice. [25 marks]
6. Analyse the impact of scheduling and project management strategies on project completion time, cost, and resource utilization as used in an organization of your choice [25 marks].

**END OF PAPER**