

QP CODE 2045524405

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# DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – DECEMBER 2023

Semester: IV 552 MG44 PRODUCTION AND OPERATIONS MANAGEMENT

Time: 3:00 Hours

Max. Marks: 100

Answer any FIVE Questions (5 x 20 = 100 Marks)

1. a) Outline ten (10) objectives of Production Management. (10 Marks)  
b) Product design is one of the most important part of production, discuss the various stages in product design. (10 Marks)
2. a) Define the term Plant Layout in production. (2 Marks)  
b) Discuss the importance of plant location. (8 Marks)  
c) Describe various factors affecting plant layout. (10 Marks)
3. a) List and explain various materials handling equipment used in production of goods. (10 Marks)  
b) Discuss the principles applied to material handling in the production of Goods. (10 Marks)
4. a) Define the term maintenance. (2 Marks)  
b) Discuss the features of preventive maintenance. (10 Marks)  
c) Explain the causes of machine breakdown in the production company. (8 Marks)
5. a) State the importance of purchasing management. (10 Marks)  
b) Outline the functions of Stores Management. (10 Marks)
6. a) Discuss the merits and demerits of using Continuous Production System. (10 Marks)  
b) Illustrate various factors influencing process design. (10 Marks)
7. a) Define the term Material Handling in production management. (2 Marks)  
b) Describe the objectives of Material Handling in production. (10 Marks)  
c) Explain the examples of miscellaneous handling equipment. (8 Marks)