



D Y PATIL  
AGRICULTURE  
& TECHNICAL  
UNIVERSITY  
TALSANDE

## D Y Patil Agriculture & Technical University, Talsande

<b>Year and Program: 2022-23 MBA-ABM</b>	<b>School of Agri Business Management</b>	<b>Department of MBA-Agri Business Management</b>
<b>Course Code: MABM001204</b>	<b>Course Title: Production and Operations Management</b>	<b>Semester -II</b>
<b>Day and Date: Monday, 07/08/2023</b>	<b>End Semester Examination (ESE)</b>	<b>Time: 12.00- 3.00 P.M. Max Marks: 100</b>

- Instructions:**
- 1) All questions are compulsory.
  - 2) Assume suitable data wherever necessary.
  - 3) Figures to the right indicate full marks.

<b>Q.1</b>	<b>Short Answer Type Questions (Attempt any 5)</b>	<b>Marks</b>	<b>Bloom's Level</b>	<b>CO</b>
a)	What is Maintenance Management Explain Type of Maintenance.	6	L2	CO2
b)	Define Plant layout? Summarize types of the Plant Layout.	6	L2	CO1
c)	What are the principles of ISO-9000.	6	L1	CO 5
d)	What is Work Environment? Illustrate the different types of Work Environments.	6	L2	CO 3
e)	Interpret the concept of Method Study and explain the process of Method Study.	6	L1	CO 3
f)	Tell step-by-step process of the Purchasing Cycle.	6	L1	CO 4
<b>Q.2</b>	<b>Long Answer Type Questions (Attempt any 5)</b>			
a)	What is Production System. Discuss in detail types of Production System.	10	L6	CO1
b)	Define Total Quality Management (TQM). Explain in detail its Principles.	10	L5	CO 5
c)	What is Work Measurement. Explain what are the techniques commonly used to Work Measurement.	10	L5	CO 3
d)	Elaborate 7 basic Quality Control Charts.	10	L6	CO 5
e)	What is mean by Productivity and how can it be measured, Explain the various factors influencing Productivity.	10	L5	CO2
f)	Define Inventory Management. Discuss Inventory Management Process.	10	L6	CO 4

P.T.O



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Q.3

Case Study / Application based question

20

L5

CO 3

Mapro Foods Processing Unit is a manufacturing unit located in Satara (M.H, India). It produces a variety of food products including jams, jellies, juices and other food items. The company has been in operation for over 25 years and has a long-standing history of producing quality products.

The company recently decided to implement a work measurement system in order to improve the efficiency of its operations. The objective of the project was to reduce production costs and improve production speeds.

- a) Elaborate what are the Work Measurement techniques that a company can use to improve their processes.
- b) Justify the benefits of implementing a work measurement system in Mapro Foods Processing Unit.

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