



WINTER-2023		
Exam Seat No.:		
Academic Year:2023-2024	Semester:III	
Name of Programme:MBA	Pattern:2022	
Name of Course:Productivity Management	Course Code:MBA22 3 4 10	
Max. Marks:30	Duration:1 hr. 15 min.	

<p><b>Instructions:</b> Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.</p> <ol style="list-style-type: none"><li>1. This question paper contains 2 pages.</li><li>2. Answer to each new question is to be started on a new page.</li><li>3. Assume suitable data wherever required, but justify it.</li><li>4. Draw the neat labelled diagrams, wherever necessary.</li><li>5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.</li><li>6. All questions are compulsory. Attempt either a or b in each Question.</li></ol>
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**Question No. 1 Attempt following Question**

1 a) Define Productivity Management and its scope. (6) CO1

**OR**

1 b) Describe the factors affecting Productivity. (6) CO1

**Question No. 2 Attempt following Question**

2 a) Illustrate the concept of Work Study with examples. (6) CO2

**OR**

2 b) Explain the Value Analysis Process. (6) CO2

**Question No. 3 Attempt following Question**

3 a) In making a time study of a laboratory technician performing an analysis of processed food in a canning factory, the following times were noted for a particular operation. (6) CO3

<b>Run</b>	1	2	3	4	5	6	7	8	9	10	11	12
<b>Operation time(sec.)</b>	21	21	16	19	20	16	20	19	19	20	40	19
<b>Run</b>	13	14	15	16	17	18	19	20	21	22	23	24

<b>Operation time(sec.)</b>	21	18	23	19	15	18	18	19	21	20	20	19
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If the technician's performance has been rated at 120 percent, and the company policy for allowance (personal, fatigue, etc.) stipulates 13 percent,

(i) Determine the normal time.

(ii) Determine the standard time.

Watch readings falling 50 % above and 25 % below the average may be considered as abnormal.

**OR**

- 3 b) Illustrate the concept of Method Study with examples. (6) CO3

**Question No. 4 Attempt following Question**

- 4 a) Discuss the Performance Measurement POP Model. (6) CO4

**OR**

- 4 b) Discuss the Management Controls on Productivity. (6) CO4

**Question No. 5 Attempt following Question**

- 5 a) Assess the application of following techniques in Productivity Management: (6) CO5  
a. JIT  
b. BPR

**OR**

- 5 b) Assess the application of World Class Manufacturing in Productivity Management. (6) CO5