



	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>Instructions: 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">1. This question paper contains 2 pages.2. Answer to each new question is to be started on a new page.3. Assume suitable data wherever required, but justify it.4. Draw the neat labelled diagrams, wherever necessary.5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.6. All questions are compulsory. Attempt either a or b in each Question.	
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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

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

Operation time(sec.)	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