

27 MAR 2025 (M)

NCU-FORM-29

	Re-Minor Examination Question Paper	Review Date:
	School of Business	Semester: II Session: Jan-June 2025
	Programme: MBA Course Name: <i>Operations Management</i> Course Code: BSL 513	Maximum Marks: 40 Duration: 90 minutes
		Sheet 1 of 2
Instructions - The paper has THREE Sections. - Section A has FIVE questions of TWO marks each. - Section B has THREE questions of FIVE marks each. - Section C is application-based section. It has THREE questions of FIVE marks each. - There is NO CHOICE in this paper. - Attempt one section fully before starting with a new section. - This paper does NOT require use of any log/statistic table(s) - This paper does NOT require use of any calculator.		
CO 1	Develop understanding of the framework and a basic “language” to understand the problems and the challenges which an Operations Manager has to face in his/her job.	
CO 2	Develop understanding of the strategic relevance of Operations Management.	
CO 3	Comprehend the main choices (strategic, tactical and operative) an Operations Manager has to opt for .	
CO 4	Define and understand the main OM principles, techniques and tools to analyze, diagnose and then to improve processes.	
CO 5	Will have improved analytical and presentation skills.	

SECTION A

Short Answer Type Questions
10 marks

Q#	QUESTION	Marks	CO#
A1	Define Operations Management. How does it differ in scope from production management?	2	CO1
A2	Services are perishable. Justify this statement with example.	2	CO1
A3	Compare the advantages and disadvantages of product and process layout.	2	CO1
A4	What is meant by priority scheduling? Explain briefly.	2	CO2
A5	Calculate the break-even volume for a unit producing calculators. Given: Fixed cost of production: Rs. 1,00,00,000; Revenue per unit: Rs. 450; Variable cost: Rs. 250.	2	CO2

SECTION B

Long Answer Type Questions
15 marks

Q#	QUESTION	Marks	CO#
B1	How is product-process matrix relevant for industries across sectors. Explain briefly.	5	CO3
B2	What is meant by agile manufacturing? How does it help organizations to compete in the market?	5	CO3
B3	What is DFM? How does it differ with DFA?	5	CO3

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SECTION C
Application-based Questions
15 marks

Q#	QUESTION	Marks	CO#																																				
C1	Explain the concept of What is House of Quality. State its applications for the manufacturing industry.	5	CO4																																				
C2	Explain the center of gravity method for capacity location, taking hypothetical example of a warehouse of grains.	5	CO4																																				
C3	Assign the jobs given in the following matrix to 5 machines, using assignment method. The objective is to ensure cost minimization.	5	CO5																																				
	<table><tr><td></td><td>Machine 1</td><td>Machine 2</td><td>Machine 3</td><td>Machine 4</td><td>Machine 5</td></tr><tr><td>Job 1</td><td>18</td><td>15</td><td>16</td><td>21</td><td>18</td></tr><tr><td>Job 2</td><td>17</td><td>22</td><td>17</td><td>19</td><td>17</td></tr><tr><td>Job 3</td><td>19</td><td>18</td><td>18</td><td>16</td><td>20</td></tr><tr><td>Job 4</td><td>17</td><td>17</td><td>22</td><td>19</td><td>14</td></tr><tr><td>Job 5</td><td>23</td><td>21</td><td>25</td><td>24</td><td>18</td></tr></table>		Machine 1	Machine 2	Machine 3	Machine 4	Machine 5	Job 1	18	15	16	21	18	Job 2	17	22	17	19	17	Job 3	19	18	18	16	20	Job 4	17	17	22	19	14	Job 5	23	21	25	24	18		
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