

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) -201306

## POST GRADUATE DIPLOMA IN MANAGEMENT (2023-25) END TERM EXAMINATION (TERM- II)

Subject Name: **Production & Operations Management**Sub. Code: **PG24**Time: **02.00 hrs.**Max Marks: **40** 

Note: All questions are compulsory. Section A carries 5 marks: 5 questions of 1 mark each, Section B carries 21 marks having 3 questions (with internal choice question in each) of 7 marks each and Section C carries 14 marks one Case Study having 2 questions of 7 marks each.

Questions	CO	Bloom's Level				
<ul> <li>Q. 1: (A). Why does ERP matter for an organization? Justify.</li> <li>Q. 1: (B). Define Reverse Engineering.</li> <li>Q. 1: (C). What is "MRP II"? Mention.</li> <li>Q. 1: (D). Write a short note on Inventory management.</li> <li>Q. 1: (E). Name any three tools available in the market for CRM/ERP/Projoperations.</li> </ul>	CO1	L-1 & L-2				

## SECTION - B

All questions are compulsory.

(Each question has an internal choice. Attempt any one (either A or B) from the internal choice)  $7 \times 3 = 21 \text{ Marks}$ 

Questions	СО	Bloom's Level
Q. 2: (A). What is the significance of "Lean operations" for production and material management.  Or  Q. 2: (B). Explain ABC analysis. How is it related to managing inventory in a smarter way? Elaborate with the help of an example.  Q. 3: (A). Demand recorded the previous year for a CRM platform was 30,000 units, average order cost was \$3,000 & holding cost was \$12 per unit, per year. Evaluate EOQ and provide your recommendation for projected quantities in such a scenario.  Or  Q. 3: (B). Draw product life-cycle for a smart factory developing laptops. Also, describe each of the phases involved in this process.	CO2	L-2 & L-3 L-3 & L-4
Q. 4: (A). Company "ABC" is willing to launch a new car showroom in Greater Noida. The location factors, ratings and scores for top-most potential sites are shown below:		L-4

S.N	No	Location Factor Factor Rating						ng for tion 1		ing for ation 2	CO3	& L-5
1		Infra	optimi	zation		8		3		6		
2	2		Consum Demar			5		5		4		
3	3	Average lead time 7 5 4							1			
4	ļ		Showrooking ch			5		3		4		
5	;	Emp	loyee c	ulture		9		8		7		
Q. 4: (B) each.					<u>S</u>	ed Layo		so, give	e exam <sub>l</sub>		: 14 Ma	rks
Read the case and answer the questions: $7\times02 =$ Questions									СО	Bloom's Level		
Q. 5: Cas	se Stud	ly:										
Organization "ABC" produces luxury Bikes. Quality analyst ensures that each product is fit for use upto 80,000 kms. Professional monitors input-output data. This data consists of sets regarding 900 Bikes. These bikes are divided into ten batches. Analyst tests 5 Bikes from each of the batch and results into following data recording in thousands of KMs:												
Batch	B1	B2	В3	B4	B5	B6	В7	B8	В9	B10		
$\bar{\mathbf{X}}$	80.2	84.1	82.6	78.8	83.2	81.5	80.9	79.3	77.8	81.9	CO4	L-5

											&	,
R	1.2	1.8	1.7	0.5	2.1	1.4	1.8	1.2	1.2	1.4	L-	
[Pre-defi Question Q. 5: (A process. Q. 5: (E write rec	is: <b>A).</b> Co <b>B).</b> Is	onstruct	an X-	chart b	ess und	n the o	data for	this I	Bike pro			

COs	Marks Allocated
CO1	5 Marks
CO2	7 Marks
CO3	14 Marks
CO4	14 Marks