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	Reg. No. :	
	Question Paper Cod	e:10144
	M.B.A. DEGREE EXAMINATION	NS, APRIL/MAY 2023.
	Elective	
	BA 4023 – MATERIALS M	ANAGEMENT
	(Regulations 20)21)
Time: Thre	ee hours	Maximum: 100 marks
	Answer ALL ques	stions.
	PART A (10 × 2 = 1	20 marks)
1. What		and their associate delivery lead
2. Defir	e Sales and Operations Planning (SC	P).
3. What		ing (MRP) process in brief? vailable capacity of manufacturing
5. State	various types of costs used for inven	tory management decisions.
6. Brief	ly explain how the inventory is evalu	ated by the accountants in brief.
7. Wha	t are the key factors considered while	selecting a supplier?
8. List	the four reasons causing demand pat	terns.
9. Brie	f the broad warehouse processing acti	ivities for efficient operations.
10. Expl	ain the role of various intermediarinel for consumer goods.	ies involved in a typical distribution
	PART B — (5 × 13 =	65 marks)
11. (a)	Describe the Sales and Operations I	Planning process in detail.
	Or	
(b)	Describe the Master Production Sch	nedule in detail.

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Discuss the relationship between different levels of priority planning and capacity planning in detail. Or Discuss in detail some of the bottleneck principles and describe the ways by which bottlenecks can be managed. 13. (a) Discuss the ABC inventory control method in detail. Discuss in detail how the normal distribution is applied for determining safety stock for inventory management. (a) Discuss in detail the various ways to describe functional specifications. 14. (b) Discuss in details the important intrinsic techniques for forecasting Describe the factors that influence effective use of warehouses in detail. Describe various elements of transportation cost in detail and list the ways in which the total transportation could be reduced. 16. given below for 12 periods. Period Labour Cost (Rs. '000) 2 86 3 4 68 5 66 64 8 63 58 10 56 11 54 12 55 10144

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- Forecast next two periods labour cost using 3 months moving average method.
- (ii) Forecast next two periods labour cost using simple exponential smoothing method, with a smoothing constant of 0.3.
- (iii) Based on your forecasts, which of the above two methods give better results?

Or

(b) The forecasts from a model that you have been using and the actual demands that occurred for a type of motorcycles of an India motorcycle manufacturing company are:

Week	Forecast	Actual	
1	850	950	
2	900	1000	
3	1000	850	
4	950	900	
5	900	850	
6	950	1100	
7	1000	1100	



- (ii) Mean Absolute Percent Error (MAPE)
- (iii) Tracking Signal (TS)

Based on calculated errors, evaluate whether your forecasting model is giving good results or not.

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