Name:

Enrolment No:



UPES

End Semester Examination, May 2024

Course: Demand Planning & Forecasting Program: BBA LM Course Code: LSCM2008 Semester: IV Time: 03 hrs. Max. Marks: 100

	SECTION A 10Qx2M=20Marks		
S. No.	Attempt all questions in this section	Marks	СО
Q 1	State True or False		
1.1	Long-term demand forecasting considers daily sales projections.	2	CO1
1.2	The Delphi Method is a qualitative method of demand forecasting.	2	CO1
1.3	Time series analysis is the best-suited demand forecasting method for new product introductions.	2	CO1
1.4	Demand forecasting through time series analysis primarily relies on expert opinions and judgments.	2	CO1
1.5	A common challenge in demand forecasting is ignoring external factors that can affect demand.	2	C01
1.6	The Delphi method involves asking a group of experts to independently provide their judgments and then aggregating their responses for qualitative forecasting.	2	CO1
1.7	Market research for qualitative forecasting typically collects historical sales data.	2	CO1
1.8	Focus groups are a qualitative forecasting method particularly useful for predicting the demand for new, innovative products.	2	CO1
1.9	Seasonality in demand forecasting refers to fluctuations in demand that occur at regular intervals.	2	CO1
1.10	In quantitative forecasting, forecast error represents the range of possible outcomes in a scenario analysis.	2	C01
	SECTION B 4Qx5M= 20 Marks		
Q 2	Attempt all questions in this section:		
2.1	Discuss the different types of forecasting errors.	5	CO2
2.2	Define market intelligence and explain its significance in crafting successful e-commerce strategies.	5	CO2
2.3	Write down the steps and characteristics of successful forecasting.	5	CO2
2.4	Explain the concept of naive forecasting and describe how it could be applied within the fast-food industry to predict sales trends.	5	CO2

			SECTION-C 3Qx10M=30 Ma			
Q 3	Attempt all que	stions in this se				
3.1		Qualitative forecasting methods should be used only as a last resort. Agree or disagree? Comment.				
3.2	or energie of commentation The monthly demand for units manufactured by the Acme Rocket Company has been as follows: Month Units May 100 September 105 June 80 October 110 July 110 November 125 August 115 December 120 a. Use the exponential smoothing method to forecast the number of units for June to January. The initial forecast for May was 105 units; α = 0.2. b. Calculate the absolute percentage error for each month from June through December and the MAD and MAPE of forecast error as of the end of December.					CO3
3.3	What is the pri associative mode	10	CO3			
			SECTION-D 2Qx15M= 30 Ma			
Q4	Attempt all que	stions in this se				
4.1	What is a customer-generated forecast? What are the metrics (factors) to develop a customer-generated forecast?					CO4
4.2	Company has beenMonthMayJuneJulyAugusta) Use the endunits for Ja = 0.2.b) Calculatethrough I	en as follows: Units 100 80 110 115 exponential smo fune to January. the absolute po	MonthSeptemberOctoberNovemberDecemberoothing method to foThe initial forecast fercentage error for e	y the Acme Rocket Units 105 110 125 120 orecast the number of or May was 105 units; ach month from June of forecast error as of	15	CO4