Name										Printed Pages:02		
Student Admn. No.:												
School of Business												
Backlog Examination, June 2023												
[Programme: BBA] [Semester: II] [Batch:] Course Title: Data Analysis Max Marks: 100												
Course Code: I210101T Time: 3									me· 3		ix iviai	K5. 100
Instructions: 1. All questions are compulsory.									1115.			
2. Assume missing data suitably, if any.												
			2. Assume missing data suitably, if any.							evel	COs	Marks
		SEC	CTION-A (15 Marks) 5 Marks each									
1.	Explain various types of data collection techniques used by data analysts.										CO1	5
2.	Explain various types of data confection techniques used by data analysis. Explain what are Index Numbers and their uses in area of data analysis.										CO2	5
3.	Differentiate between Data and Information with examples.								K2	CO2	5	
SECTION-B (40 Marks) 10 Marks each												
	Explain the challenges and opportunities presented by big data in today's digital											
4.	age.								K2	CO1	10	
Calculate price index number for 2005 by (a) Laspeyre's (b) Paasche's method												10
			1995 2005									
	Commodity		Price	Quantity	Price	Quantity	ĺ					
5.	A		5	60	15	70				K4	CO2	
	В		4	20	8	35						
	C		3	15	6	20						
6.	Describe the decision-making process in different environments, including									K3	CO3	10
0.	certainty, uncertainty, and risk.											
	The given table represents the patient's body temperature recorded every hour											10
	in a hospital.											10
	Tim	e	9 an	n 10	11	12	1 pm	2 pm				
				am	am	noon						
7.	Ten	peratur	re 34°0	C 35°C	38°C	37°C	34. 5	35.5°C		K4	CO4	
							°C					
	(a) Draw the line graph for the given information:											
	(b) What	is the av	the average temperature during the day between 9 a.m. to 2 p.m.?									
	Explain th	OR Explain the Gantt chart with the help of an example.										
	_											
SEC	ECTION-C (45 Marks) 15 Marks each											
8.	Explain the significance of Online Analytical Processing (OLAP) and its								K4	CO3	15	
	relevance in decision-making. Define Data Visualization. Describe four advanced data visualization									K5	CO2	15
9.	techniques and their applications.										CO2	15

K5 A machine is set to deliver packets of a given weight. Ten samples of size five each were recorded. Below are given relevant data: Sample number 5 10 15 15 14 18 15 17 17 18 17 16 7 7 12 4 11 5 Calculate the control limits for mean chart and the range chart and then comment on the state of control. (Conversion factors for n = 5, $A_2 = 0.58$, $D_3 =$ 0 and $D_4 = 2.115$). OR Case Study: Read the following case and answers question below Gillette began its global operations in 1905 when it opened a manufacturing plant in Germany. This global strategy and success saw the firm extending its operation to Latin America. Argentina was a potential market after tariffs and business policies were revised. Having operated under unfavourable regime, the CO₅ 15 firm perceived future competition and decided to create competitive advantages. Key figures in the firm such as Carlos Rotundo and Jorge Micozzi suggested better quality as the solution to the market issues. The management lay to change the organizational culture which was not strategic for the future market circumstances. Rotundo had already began creating a new organizational culture when Micozzin came up with the idea of total quality management (TQM) that made Gillette Argentina the most successful affiliate in Latin Gillete endeavored to meet the challenges of quality that the employees faced. Initially, Rotundo responded quickly to the employee complaints about the contract approach by delegating responsibility to investigate them to Victor Walker. The newly hired quality manager emerged to be a successful preparer of the team members and organizer of TQM process. As competition threat continued to intensify in the Argentine market, Gillette embarked on a TQM system to counter the competition. The challenge the firm faced of getting the employees to take on the system was solved by extensive training, workshops,

consultation and proper response to the quality challenges perceived.

a. How Gillette has succeeded in getting employees to take on the new system?b. Explain the ways to involve teams in the TQM process.

c. What is the role of work culture in Gillette's success?

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Questions: