25900047				Reg.No:		
,				Name	* *************************************	

MAHATMA GANDHI UNIVERSITY, KOTTAYAM MGU-UGP (HONOURS) REGULAR EXAMINATION MARCH 2025 SECOND SEMESTER

Multi-Disciplinary Courses (MDC) - MG2MDCCSC100 - DATA VISUALIZATION USING PYTHON

(2024 ADMISSION ONWARDS)

Duration: 1 Hours

Maximum Marks: 35

Remember(K), Understand(U), Apply(A), Analyse(An), Evaluate(E), Create(C), Skill(S), Interest(I) and Appreciation(Ap)

Students should attempt at least one question from each course outcome to enhance their overall outcome attainability.

Part A

Very Short Answer Questions

Answer all questions

Each question carries 2 marks

1.	Arrange the following steps in the correct order to create a Matplotlib plot: (Customize plot, Show plot, Import library, Create figure, Add data).				
2.	Name two Python libraries besides Matplotlib used for data visualization.		[K] / [CO1]		
3.	Explain the term 'hover'.	ente.	[U] / [CO2]		
4.	Write down 2 best practices for data visualization.		[U] / [CO2]		
5.	Recall the role of dcc.Graph() in Dash.		[K] / [CO2]		
			[2x5 = 10]		

Part B

Short Answer Questions

Answer any 5 questions

Each question carries 5 marks

6. Describe the importance of data visualization in decision-making.

[K] / [CO1]

kample.					
how to use a built-in dataset in Plotly Ex	press for visualization	[U] / [CO2]			
11. What is a multi-plot grid in Seaborn? How is it useful?					
bout Plotly Graph Objects.		[U] / [CO2]			
plain some interactive function available.		[U] / [CO2]			
	plots for statistical	[U] / [CO1]			
	ing pie charts for data	[U] / [CO2]			
ti	tation. when to use box plots and violin tion.	when to use box plots and violin plots for statistical tion.			