CHENNAI INSTITUTE OF TECHNOLOGY
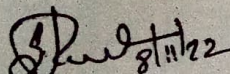
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IMPORTANT QUESTIONS FOR SLOW LEARNERS

SLOT	UNIT	Q. NO	IMPORTANT QUESTIONS	UNIV Month/YR
			SUBJECT:- Foundations — **YEAR/SEM:- II / III** — **BATCH:-**	
1	V	1	Briefly explain about Geographic Data with Basemap.	
		2	Briefly explain about Seaborn vs Matplotlib with Eg pgm	
		3	Briefly explain about Map projections with Eg pgm	
		4	Briefly explain about style sheets with eg pgm	
		5	Briefly explain about Text & annotation with Eg pgm	
2	V	1	Briefly explain about 3D plotting in Matplotlib with Eg pgm	
		2	Explain about Visualizing errors in detail	
		3	Explain about line plot & Scatter plot with Eg. pgm	
		4	Explain about customization with eg pgm	
		5	Explain about Histograms - legends - colour, subplot	
3	IV	1	Briefly explain Basics of Numpy array with eg pgm	
		2	Briefly explain comparisons, masks, boolean logic	
		3	Briefly explain about fancy indexing with pgm	
		4	Briefly explain about Structured arrays with pgm	
		5	Briefly explain about data manipulation with Pandas.	
4	IV	1	Briefly explain about combining datasets with Eg	
		2	Briefly explain about aggregation & grouping	
		3	Explain about operations on data - Pandas	
		4	Explain about missing data in Pandas	
		5	Explain Pivot tables with example.	
5	II	1	Explain types of correlation coefficients & summarize data	
		2	Explain Scatter plot & How to interpret it with Eg.	
		3	Explain least-square regression line with Eg.	
		4	Explain linear and multiple regression with Eg.	
		5	How standard error of estimate is calculated	
6	II	1	$y^2 = 12x - 1$ - Find goodness of fit of st line -	
		2	How to interpret r^2 equation explain with Eg	
		3	Explain combining data sets - Merge, Join in Relational algebra	
		4	Explain Types of regression in detail	
		5	Explain regression towards mean with Eg.	

SLOT	UNIT	Q. NO	IMPORTANT QUESTIONS	UNIV Month/YR
7	II	1.	Explain mean, median, mode with Eg	
		2.	Notes on range & variance	
		3.	Write short notes on Normal distribution	
		4.	To find Z score, area to the right is 5% & 95% of area	under normal.
		5.	How Find the S.D of 3,5,7 with a mean of 5	
8	I	1.	Explain the data science process in detail with neat sketch	
		2.	Explain components of Data warehouse & its fn's	
		3.	Explain various classification of Data mining tech's.	
		4.	Explain data preparation process in detail/exploratory	
		5.	Explain how to build a model.	
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S.No	STAFF NAME	SIGN
1	R. Meenakshi	
2	K.R.Prabakaran	
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8/11/22

HOD   PRINCIPAL