

End-Term Paper PGDM -2ND Tri-sem

Time -3hrs

Total Marks -100

All Questions are compulsory.

“All questions should be attempted in new Script and rename them as Q 1, Q2 etc “

S.no	All Question are Compulsory	Marks	Taxonomy
Q1.	Build a Program to showcase below functions. a. Transpose of Matrix (4,4) b. Identity Matrix (3,3) c. Reshape d. Unique value in array e. Save and load this script in “text” format in Home (Jupyter)	5*2=10	Applying

Q2.	<p>Show below graph using data Set "TelecomCustomer-Churn_2" :-</p> <ol style="list-style-type: none"> Joint plot (with "hex') Pair plot Strip plot (with 'Jitters-False) Swarm plot Boxplot (using 'hue') Bar Plot (using 'hue') Category Plot Dist. plot (using Rug & kde) 2D Curve (kind as 'kde') Count Plot (using 'hue') 	10*3=30	Understanding
Q3.	<p>Model your Face image file and run "RGB" model on it on Jupyter notebook.</p>	10	Applying

Q4	<p>Create 2 Data frames with 6R * 5 C and execute below functions:</p> <ol style="list-style-type: none"> a. Use Indexing and implement below functions:- <ol style="list-style-type: none"> 1. Concat 2. Merge (Outer & Inner) b. Add 1 column each in the above data frame and use below function <ol style="list-style-type: none"> 1. Inner Join 2. Outer Join 3. Left Merge 4. Right Merge 	15*2 = 30	Creating
Q5	Construct a Program to construct a shape on your Live Image	10	Applying
Q6.	<p>Utilize below data for below function Set "TelecomCustomer-Churn_1" :-</p> <ol style="list-style-type: none"> a. Upload above file from .CSV to PDF b. Upload file from .EXCEL to PDF 	10 (5*2)	Applying