

School: School of Engineering and Technology

Program/s: BTech(IT)
Year: 3rd Semester: 5th

Examination: End Semester Examination

Examination year: December - 2021

Course Code: IT320 Course Name: Python for ML and Data Science

Date: 10/12/2021
Time: 08:30 am to 10:30 am

Total Marks: 40
Total Pages: 01

Instructions:

→ Write each answer on a new page.

→ Use of a simple calculator is permitted.

→ Draw all relevant waveforms in answer sheet only.

→ * COs=Course Outcome mapping. # BTL=Bloom's Taxonomy Level mapping

Q. No.	Details	Marks	COs*	BTL*
Q.1	Attempt any five	[10]		
Α.	What do you mean by delimiter in the context of reading from the file? Write any small python script for detecting and filtering outliers. Explain hierarchical indexing in brief. Explain combining & merging dataset. With a proper diagram explain ticks, labels, and legends. What do you mean by a marker in graph?	[02] [02]	CO2	BT3
B. C.		[02]	CO3	BT2 BT1
D. E.		[02] [02]	CO3	BT1
F.		[02]	CO4	BT3
Q.2	Attempt any two Write a short note on reading & writing data in file. Write a short note on handling missing data from a large dataset. What do you mean by subplot? Explain different ways to do sub-plotting? Write a small script to do sub-plotting?	[10]		
Α.		[05] [05]	CO2	BT1 BT1
В. С.		[05]	CO3	BT1
Q.3	3 Attempt any two	[20]		
A.	List and explain different data preprocessing activities. Also explain python	[10]	CO2	ВТ3
	functions related to these activities. Write a short note on sklearn library.	[10]	CO3	BT
B. C.	Write a short note on matplotlib library.	[10]	CO4	BT

************End of Question Paper*******