School of Engineering
First Sessional Examination, Even Semester (AS: 2022-23)
B. Tech: (CSE -IOT BC)

Year: 1st   Semester: II

Course Title: Data Visualization with Python   M.M.: 30
Course Code: IOTBC3101   Time: 1 hr

Instructions if any: Read the question Carefully.

SECTION 'A' Q.N.1. Attempt all parts of the following:	Course Objective	Marks
a) Who is the founder of python ?	CO1	1
b) What is PEP-8 ?	CO2	1
c) Name all datatypes in python.	CO1	1
d) What is data visualization in python ?	CO1	1
e) Write python program to swap two number using third variable.	CO1	1

SECTION 'B' Q.N.2. Attempt any two parts of the following:	Course Objective	Marks
a) Explain while loop in detail with break and continue statements ?	CO2	7.5
b) What is if , elif and else in python ?.	CO1	7.5
c) What is slicing in python? , explain start, stop and step in detail .	CO1	7.5
d) What is the difference between list and tuple in python?	CO2	7.5

SECTION 'C' Q.N.3. Attempt any one part of the following	Course Objective	Marks

a)	Explain logical ,comparison and arithmetic operators in python with one example each.	CO1	10
b)	Explain following methods inside string: capitalize , split , rstrip, lstrip , lower, upper, replace , format	CO2	10

c)	Write program to get following output.
	
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		CO2	10

Table 1: Mapping between COs and questions
(Number of COs may vary from course to course)

COs	Questions Numbers	Total Marks
CO1	1. A , C, D ,E 2. B , C 3. A	29
CO2	1. B 2. A , D 3. C , D	36