



R20 Regulation

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

Subject code: 3P4HD

B.Tech IV Semester Supplementary Examinations, February 2024

**PYTHON PROGRAMMING
(CSE(DS))**

Maximum Marks: 70

Date: 28.02.2024 Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10x2M=20 Marks)		CO	Bloom Tx
1	List Out Number data Types in python.	1	L1
2	What are various input methods in python	1	L1
3	Define Lambda function	2	L1
4	What is meant by arbitrary argument?	2	L1
5	Define Self variable	3	L1
6	Differentiate Error and Exception.	3	L2
7	Define package in Python.	4	L1
8	What is the use of import keyword give an example	4	L1
9	What is API give an example	5	L2
10	What is meant by ORM	5	L2

Part-B

Answer All the following questions. (5X10M=50Marks)			
11	Explain Data types of Python each with an example. [10]	1	L1
OR			
12	Elaborate various conditional statements in Python with sample program. [10]	1	L2
13	Discuss various arguments with example program. [10]	2	L1
OR			
14	Explain various Built-in functions of dictionary with an example program. [10]	2	L3
15	A. What is inheritance give an example. [5] B. Explain types of exceptions each with an example program. [5]	3	L1 & L2
OR			
16	Explain Built-in functions of RE module. [10]	3	L3
17	Elaborate various modes of operations in Files. [10]	4	L3
OR			

18	A. Write a Program to add two matrices using Numpy. [5] B. Write a program to copy contents of two files in to third file. [5]	4	L3
19	Write a program to create a canvas and draw rectangle in TKinter. [10]	5	L3
	OR		
20	Explain what is DB-API and steps involved in Data Base connectivity using Python. [10]	5	L3