R20 Regulation *Subject code:3P4HD*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Regular/Supplementary Examinations, September 2023

PYTHON PROGRAMMING

(CSE(DS))

Maximum Marks: 70 Date:26.09.2023 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)

1 List any five features of Python.
2 How indentation is used in python show with an example?
3 Define function.
4 What is meant by default argument?
5 Define Self variable.
6 What is Error and Exception?
7 Define module in Python with an example.
8 What is the use of import keyword give an example?
9 What is the use of TKinter in Python?
10 List out any 5 GUI Components.

Part-B

Answer All the following questions. (5X10M=50Marks)

11 Explain Data types in Python each with an example. [10]

OR

12 Explain various Operators of Python with sample program. [10]

13 Discuss various arguments with an example program. [10]

OR

14 Explain various data structures in Python (Python Collections). [10]

15 A. What is inheritance give an example. [5]
B. Explain Constructor with an example program. [5]

OR

16 Explain Built-in functions of RE module. [10]

17 Elaborate various modes of operations in Files (file built in methods). [10]

OR

18 A. Explain the Procedure for creating Package in Python. [7]
B. Write Short notes on Numpy. [3]

19 Write a program to create a sample registration form with Textboxes, Labels and Button. [10]

OR

20 Explain what is DB-API and steps involved in Data Base connectivity using Python. [10]