



R18 Regulation

Subject code: 2P4EC

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Supplementary Examinations, July 2024

PYTHON PROGRAMMING (CSE)

Maximum Marks: 70

Date:25.07.2024 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	Differentiate between compiled and interpreted languages?	1	L1
2	List some of the keywords in python	1	L1
3	Why * is called string repetition operator?	2	L1
4	Define iterable and iterator objects?	2	L1
5	Differentiate between append() and extend() methods?	3	L1
6	What is the purpose of global keyword in Python?	3	L1
7	List the file opening Modes.	4	L1
8	Mention the usage of modules in Python Programming.	4	L1
9	How to create a class in python?	5	L1
10	Write about data hiding in python.	5	L1

Part-B

Answer All the following questions.

(5X10M=50Marks)

11	a) How do you run a python program in various modes. Explain with a python program. [5M] b) Explain in detail about python type conversion and type casting with example. [5M]	1	L2
OR			
12	Explain about the need for learning python programming and its importance. [10M]	1	L2
13	Explain the following with an example [10M] a. Comparison operators b. Assignment operators	2	L2
OR			
14	Write a Python program to find numbers between 100 and 400 (both included) where each digit of a number is an even number. The numbers obtained should be printed in a comma-separated sequence. [10M]	2	L2

15	Discuss various type of arguments in Python? Justify your answer with sample programs. [10M]	3	L2
OR			
16	Write a Python program to sort a list of elements using the bubble sort technique using functions. [10M]	3	L2
17	Discuss the different modes for opening a file and closing a file with an example program [10M]	4	L2
OR			
18	Write a python program to append data to an existing file and then displaying the entire file. [10M]	4	L2
19	a. List and explain different Object Oriented features supported by Python. [5M]	5	L2
	b. Write a Python class named Rectangle constructed by length and width and a method which will compute the area of a rectangle. [5M]		L2
OR			
20	a. Explain the concept of Exception Handling in Python with suitable program [5M]	5	L2
	b. Write a python program to handle the Zero Division Error Exception. [5M]		L2