



R20 Regulation

Subject code:3P5EB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, December 2024**PYTHON PROGRAMMING**
(CSE)**Maximum Marks: 70**

Date:28.12.2024

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 the differences between python2 and python3?	1	L1
2	What's the importance of comments in programming? How do we write comments in python?	1	L1
3	What is 'pass' statement?	2	L1
4	What is floor division or truncating division? Give example.	2	L1
5	List the properties of dictionary in python.	3	L1
6	Distinguish between parameter and argument	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	How to handle multiple exceptions with single except clause.	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	A) How do you run a python script in various modes. Explain with a python program. [5M] B) Write a Python program to find sum of even numbers for a given range of numbers using command line arguments. [5M]	1	L2
OR			
12	Explain about the need for learning python programming and its importance. [10M]	1	L2
13	A) Write a Python program to evaluate exponential series. [5M] (Hint: $e^x = 1 + x/1! + x^2/2! + x^3/3! + \dots$) B) Write a python program to display characters of a given string in reverse order using for loop? [5M]	2	L2
OR			
14	A) Write about membership & identity operators in python with suitable examples. [5M] B) Write a Python program which iterates the integers from 1 to 50. For multiples of three print "Fizz" instead of the number and for the multiples	2	L2

	of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz". [5M]		
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. [10M]	3	L2
17	Elaborate the process of designing your own modules with a appropriate example. [10M]	4	L2
	OR		
18	Write Program to print the number of lines, words and characters present in the given file. [10M]	4	L2
19	A)List the various properties of a file briefly describing each of them. [5M] B)Write a Python program to demonstrate Multiple Inheritance. [5M]	5	L2
	OR		
20	A) List and explain the different phases involved in object-oriented programming language. [5M] B)Write a Python program to demonstrate Multiple Inheritance. [5M]	5	L2