



R20 Regulation

Subject code:3P5GB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, May 2025

PYTHON PROGRAMMING (CSE(AI&ML))

Maximum Marks: 70

Date: 19.06.2025

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.
 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)		Marks	CO	BTL
1	Is python a "scripting language"? Justify your answer.	2M	1	L1
2	Distinguish between input() and raw_input().	2M	1	L1
3	Explain membership operators in python with suitable example.	2M	2	L1
4	Write the syntax of while loop.	2M	2	L1
5	What is fruitful function?	2M	3	L1
6	What is list comprehension	2M	3	L1
7	How to create a file in python?	2M	4	L1
8	Define package.	2M	4	L1
9	What is name Mangling?	2M	5	L1
10	What is raising exception?	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	a) Differentiate between C++ and Python. b) List out the keywords in python.	5M 5M	1	L2
OR				
12	Write in detail about the data types in python.	10M	1	L2
13	List and explain 4 different operators supported by python with an example. Discuss about their precedence and associativity.	10M	2	L2
OR				
14	Explain looping control statements with suitable examples.	10M	2	L2
15	Explain about different types of arguments in python.	10M	3	L2
OR				
16	a) Define tuple and show how the tuple is immutable with different examples? b) Explain dictionary with suitable examples.	5M 5M	3	L2
17	a) Write a Python program to write the content "Hello TKR!" for the existing file? b) Explain input and output methods of a file.	5M 5M	4	L2

	OR			
18	Explain exception handling mechanism in python with suitable example program.	10M	4	L2
19	a) Explain python oops concept in detail? b) Write the syntax to create a class and object?	5M 5M	5	L2
	OR			
20	Explain exception handling in detail.	10M	5	L2
