



R20 Regulation

Subject code: 3P5GB

# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, November 2025

## PYTHON PROGRAMMING

(CSE(AI&ML))

Maximum Marks: 70

Date: 20.11.2025

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	What are input/output statements in python?	2M	1	L1
2	Define Interpreter.	2M	1	L1
3	List out the operator precedence for arithmetic operators.	2M	2	L1
4	What is indentation?	2M	2	L1
5	What is map()?	2M	3	L1
6	What is random.shuffle()?	2M	3	L1
7	What is PIP?	2M	4	L1
8	State the syntax for seek() function.	2M	4	L1
9	What is the use of self keyword?	2M	5	L1
10	Distinguish between error and exception.	2M	5	L1

### Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	a) List out the keywords in python. b) What are delimiters and list out the delimiters used in python.	5M 5M	1	L2
OR				
12	a) What is python? Explain the features of python programming? b) Summarize various built in functions that deal with python numeric type.	5M 5M	1	L2
13	Write a python program to read two numbers from the user and display the result using bitwise & operator on the numbers.	10M	2	L2
OR				
14	What are identity operators in python? Explain with suitable example?	10M	2	L2
15	Differentiate between list, tuple, set and dictionary with one example each.	10M	3	L2
OR				
16	Define tuple and show how the tuple is immutable with different examples.	10M	3	L2

17	How to import module in python with suitable example program.	10M	4	L2
	OR			
18	Demonstrate pandas and numpy module with an example.	10M	4	L2
19	a) Write the syntax to create a class and object? b) Explain python oops concept in detail.	5M 5M	5	L2
	OR			
20	Explain exception handling in detail.	10M	5	L2