



R20 Regulation

Subject code: 3P5GB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, June/July 2023

PYTHON PROGRAMMING
(CSE (AI & ML))

Maximum Marks: 70

Date: 26.06.2023 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 Write the input() built-in function?
- 2 What is the significance of Indentation?
- 3 List all the comparison operators of Python.
- 4 What role does the pass statement play in Python code?
- 5 List out the built-in function.
- 6 Mention any four list methods.
- 7 Give the syntax for renaming a file.
- 8 Define a module.
- 9 How to make a Python class member variable hidden from outside the class.
- 10 Write the syntax for raising an exception?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Write a Python program to convert temperature value from Centigrade to Fahrenheit. (10)
OR
- 12 Write a Python program to read input values as needed from the user and calculate and display the simple interest and compound interest. (10)
- 13 What are operators in Python? Describe specifically about identity membership operator. (10)
OR
- 14 A. Explain about iteration statements with examples. (5)
B. Write a Python program that prints multiplication table of a given number. (5)
- 15 What is a list in Python? How to create nested lists? Demonstrate how to create and print a 3-dimensional matrix with lists. (10)
OR
- 16 A. Distinguish between local and global variables with examples. (5)
B. Explain about fruitful functions with suitable examples. (5)
- 17 Explain the following built-in functions with clear syntax and description. (10)
a) open() b) file() c) seek() d) tell() e) read()
OR

- 18 A. Write a Python program to read and display data from a file. (5)
B. Write the syntax to create a project and to run server using Django. (5)
- 19 A. Describe data hiding and constructors. (5)
B. Elaborate user defined exceptions in Python? (5)
- OR
- 20 How to handle an exception using try except block? Explain with the help of a program. (10)