



Regulation R18

Subject code: 2P4EC (Substitute Subject)

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, January 2023

Python Programming

(Computer Science and Engineering)

Maximum Marks: 70

Duration: 3 hours

- Note: 1. Question paper contains two parts A and B.
2. Answer all questions in Part A, Each question carries 1 mark.
3. Answer 5 questions in Part B out of 10 questions. Each question carries 12 marks.

Part-A

Answer all the following questions

(10x2M=20 Marks)

- 1 State any four applications where python is more popular?
- 2 What are membership operators? Give an example.
- 3 What is lambda function in python?
- 4 Define Iteration?
- 5 How we can modify a string in python?
- 6 What is a negative index in python?
- 7 Define Datahiding.
- 8 Discuss the use of init method in python?
- 9 Define Package.
- 10 Define Numpy.

Part-B

Answer Any 5 questions.

(5X10M=50Marks)

- 11 What are the different loop control statements available in python? Explain with suitable examples.
[10 M]
- OR
- 12 List different operators in python, in the order of their precedence? [10 M]
- 13 a) Tabulate the different modes for opening a file in detail? [5 M]
b) List any five math module functions used in python? [5 M]
- OR
- 14 a) What is the use of pass statement? Illustrate with an example program. [5M]
b) Describe about actual and formal arguments in functions? [5M]
- 15 a) Explain with an example, how + and * operators work with strings. [5M]
b) Define list? How list is created and access element in list? [5M]
- OR
- 16 What is meant by tuple and how it is created? What are the built-in functions used in tuple? Explain with suitable example. [10M]
- 17 Define class and object? What is the relation between an object and a class? Write a program which shows how to define a class, how to access member functions and how to create and access objects in python? [10M]
- OR
- 18 Define Inheritance? Describe different types of inheritance with an example? [10M]
- 19 Explain about inter process communication. [10M]
- OR
- 20 Write a python GUI that contains three Radio buttons for colors "Red", "Green", and "Blue". Display selected color on a label? [10M]

