



R18 Regulation

Subject code: 2P4EC

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, July 2021
(Re-Admitted)

PYTHON PROGRAMMING

(COMPUTER SCIENCE & ENGINEERING)

Maximum Marks: 70

Date:31.07.2021 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 What type of language is python? Programming or scripting?
- 2 How to comment multiple lines in python?
- 3 How does Break, Continue and Pass works?
- 4 What is the purpose of is , not and in operators?
- 5 What is the difference between list and tuples in python?
- 6 What is the usage of help() and dir() function in python?
- 7 What is namespace in python?
- 8 How can files be deleted in python?
- 9 Define Encapsulation in python?
- 10 Does python support Multiple Inheritance?

Part-B

Answer All the following questions.

(10MX 5=50Marks)

- 11 A. What are the key features of python?
B. How to install python on windows and set path variable? [5+5]

OR

- 12 A. What are python modules? Name some commonly used built-in modules in python?
B. List some popular applications of python in the world of technology? [5+5]
- 13 A. Explain python operators and expressions?
B. Write a program to produce Fibonacci series in python? [5+5]

OR

- 14 A. Explain conditional statements in python?
B. Explain control statements in python? [5+5]
- 15 A. Define functions in python? Explain the concept of pass by value?

B. Explain local and global variables? [5+5]

OR

- 16 A. Explain exception handling in python?
B. Explain the concept of threads in python? [5+5]

- 17 A. Explain python file I/O? write about creative modules?
B. Explain text processing file function? [5+5]

OR

- 18 A. Explain python file handling? How to create, open, append, read, write files?
B. Explain packaging concept in python? tools and formats? [5+5]

- 19 A. Explain inheritance in python an example?
B. How are classes created in python? [5+5]

OR

- 20 A. Explain object-oriented programming in python with examples?
B. Differentiate between errors and exceptions in python? [5+5]