



Regulation R18
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

Subject code: 206FC

B. Tech VI Semester Supplementary Examinations, January 2023

Python Programming
(INFORMATION TECHNOLOGY)

Maximum Marks: 70

24-1-23

Duration: 3 hours

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

Part-A

Answer all the following questions

(10x2M=20 Marks)

- 1 Define implicit conversion
- 2 Differentiate between logical and bitwise operators.
- 3 Explain range() function
- 4 Explain pass statement
- 5 List in built functions supported by tuples.
- 6 Explain zip() function
- 7 How to create a string using constructor of str class?
- 8 Give an example for local and global scope of the variable in a function
- 9 What is class instantiation?
- 10 What is polymorphism?

Part-B

Answer all the questions.

(5X10M=50Marks)

- 11 A. Explain internal working of python. [5M]
B. What are identifiers? Discuss the rules to name an identifier. [5M]
OR
- 12 A. Describe the features of python. [5M]
B. Python variables do not have specific types. Justify this statement with the help of an example. [5M]
OR
- 13 What are the different loop control statements available in python? Explain with suitable examples. [10M]
OR
- 14 A. Write a python program to find the given year is leap year or not. [4 M]
B. What is the use of pass statement? Illustrate with an example. [6M]
- 15 Explain the List Accessing Methods and List Comprehension. [10M]
OR
- 16 A. Discuss about tuples in python. [6M]
B. Write a python program to perform addition of two matrices using numpy. [4M]

- 17 A. What is lambda function? What are the characteristics of a lambda function? Give an example. [6M]
B. Differentiate between user-defined and library defined functions? [4M]
OR
- 18 A. Explain a recursive function with an example program. [4M]
B. What is an index operator? How does it help in accessing a character? Give an example. [6M]
- 19 A. How to declare a constructor method in python? Explain. [5M]
B. Explain the features of OOPS. [5M]
OR
- 20 What is Inheritance? Explain different types of Inheritance. [10M]