

I B. Tech II Semester Supplementary Examinations, March- 2022
PYTHON PROGRAMMING

(Com. to CSE, IT, CSE-AI&ML, CSE-AI, CSE-DS, CSE-AI&DS, AI&DS)

Time: 3 hours

Max. Marks: 70

Answer any five Questions one Question from Each Unit
All Questions Carry Equal Marks

UNIT-I

- 1 a) Python variables do not have specific types. Justify this statement with the help of an example. (7M)
 b) Write a Python program using while loop to print first N numbers divisible by 5. (7M)

Or

- 2 a) List and explain different arithmetic operators supported by Python. Discuss about their precedence and associativity. (7M)
 b) Write a Python program to find the best of two test average marks out of three test marks accepted from users. (7M)

UNIT-II

- 3 a) What is the purpose of else clause in for a loop? Explain how else works with while and for loops, with examples. (7M)
 b) Write a python program to demonstrate traversal through a string using a loop. (7M)

Or

- 4 a) Write a Python program that prints multiplication table of a given number. (7M)
 b) Describe the concept of string slicing with suitable examples. (7M)

UNIT-III

- 5 a) What is package in Python? Explain, how can you use package in your program with an example code? (7M)
 b) Differentiate the function, fruitful function and anonymous functions with example each. (7M)

Or

- 6 a) How can you pass list into function? Explain with example. (7M)
 b) Write a Python function that takes two lists and returns True if they have at least one common member. (7M)

UNIT-IV

- 7 a) Write Python program to Find the Longest Word in a File. Get the File Name from User (7M)
 b) Write a Python program that overloads + operator, to add two objects of a class. (7M)

Or

- 8 a) Discuss inheritance in Python programming language. Write a Python program to demonstrate the use of super() function (7M)
 b) How to create a destructor in Python? Give an example. (7M)

UNIT-V

- 9 a) Write a program for basic web browser using Tkinter which should have a Text widget where the user can enter a URL and a Canvas to display the contents of the page. (7M)
 b) Explain about coordinate systems in Scratch interface. (7M)

Or

- 10 a) How to create, raise and handle user defined exceptions in Python. (7M)
 b) What is Block palette? Briefly describe any six blocks of Scratch. (7M)

