

I B. Tech II Semester Supplementary Examinations, Jan/Feb-2024**PYTHON PROGRAMMING**

(Common 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 programming is not supporting switch statement. Which is the substitution for that one? Explain with example program. [7M]

b) Write and explain the various logical operators supported by Python. [7M]

(OR)

2 a) Write a python program to find the greatest number among 6 numbers. [7M]

b) Give brief description about the history of Python programming language. [7M]

UNIT-II

3 a) Write a program to read numbers until -1 is encountered. Also count the negative, positives and Zeros entered by the user. [7M]

b) With the help of syntax, flowchart and example program explain the working of while statement. [7M]

(OR)

4 a) Write a program to enter a binary number and convert it into decimal number. [7M]

b) With the help of syntax, flowchart and example program explain the working of for statement in Python. [7M]

UNIT-III

5 a) Which data structure is used to store multiple items under a single variable? Explain it in detail. [7M]

b) What is a function? List their advantages and disadvantages. In what way a user defined functions differ from system defined functions. [7M]

(OR)

6 a) Give brief description about the role of dictionaries in Python programming. [7M]

b) Distinguish between packages, functions and modules. [7M]

UNIT-IV

7 a) What is a constructor? Why we need them? Explain the role of constructors in object oriented programming. [7M]

b) Give brief description about the various forms of write function. [7M]

(OR)

8 a) Write a program to demonstrate the working of hybrid inheritance. [7M]

b) Distinguish between method overloading and method overriding. [7M]

UNIT-V

9 a) List and explain the common types of errors that are often encounters while writing the programs. [7M]

b) Explain the importance of finally block in exception handling. [7M]

(OR)

10 a) Write a brief note on role of assertions in Python. [7M]

b) What is a Tkinter? Explain its role in Python. [7M]

|''''|''''|''''|
