



B. Tech VIII Semester Supplementary Examinations, April 2024

Python Programming
(INFORMATION TECHNOLOGY)

Maximum Marks: 70

Date: 24.04.2024 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 State any four applications where python is more popular
- 2 What are membership operators? Give an example.
- 3 How pass statement is different from a comment?
- 4 Write a syntax for nested for loop
- 5 Expand PIP.
- 6 What are lists?
- 7 Give an example of lstrip() method.
- 8 What are lambda functions in python?
- 9 What is nd array?
- 10 Define Pandas?

Part-B

Answer all the questions.

(5X10M=50Marks)

- 11 Give a note on each of the below python language constructs with an example: [10M]
 - i) Quotes(single, double and triple)
 - ii) Multiline statements
 - iii) indentation

OR

- 12 List different operators in python, in the order of their precedence. [10M]
 - 13 A. What are the different loop control statements available in python? Explain with suitable examples. [7M]
B. Write a python function that prints all factors of a given number [3M]
- OR**
- 14 A. What is the use of pass statement? Illustrate with an example program. [5M]
B. Explain about decision statement with suitable examples. [5M]
 - 15 A. What is the use of "is" operator in python? Explain with suitable example. [6M]
B. Write a python program to check if an element of a list is a prime number, if it is prime, return true else false. [4M]

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 Explain with an example, how + and * operators work with strings. [10M]
- OR
- 18 What is lambda function? What are the characteristics of a lambda function? Give an example. [10M]
- 19 A. Explain indexing with suitable example [5M]
B. Explain slicing with suitable example [5M]
- OR
- 20 What is missing data? How to insert missing data and calculation with missing data? explain with examples. [10M]