

1. All Questions are compulsory.
2. All Questions carry equal marks.

Q.1 Answer the following. (Attempt any four)

[20marks]

- a. Explain comments in Python with examples.
- b. Explain assert statement in python.
- c. Explain continue statement in python with an example.
- d. Write a program to find area of rectangle of rectangle. Take the input from user.
- e. Write a program to check whether the given number is prime or not.
- f. Explain nested if in python.

Q.2 Answer the following. (Attempt any four)

[20marks]

- a. Explain mathematical operations on Arrays.
- b. Explain assignment operators with examples..
- c. What is lambda function? Explain with an example.
- d. Write a program to demonstrate modules in Python.
- e. Write a program to show actual and formal arguments in functions.
- f. Explain bitwise operators in Python.

Q.3 Answer the following. (Attempt any four)

[20marks]

- a. Write a program in python to merge two lists.
- b. What is a dictionary? Explain with example.
- c. Write a program to show nested list in Python.
- d. What are tuples? Explain with an example.
- e. Explain indexing and slicing of strings.
- f. Explain various dictionary methods.

Q.4 Answer the following. (Attempt any five)

[15marks]

- a. Write a program to input 3 Student marks and find minimum and maximum marks among 3 students using tuples.
- b. Explain any three list operations.
- c. Explain logical operators with example.
- d. Write a program to display table of 3.
- e. Explain call by object reference in functions
- f. Explain pass statement in Python with an example.
