

[Time:2.30 Hrs]		[ Marks:75 ]
Please check whether you have got the right question paper.		
N.B:	1. All question are compulsory. 2. Figures to the right indicate full marks. 3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.	

Q.1	Attempt <b><u>any three</u></b> of the following:  a. List the features provided by python programming language. b. Explain Membership Operators in python with example. c. State and explain python if...elif...else. Statement with example. d. Define range() function with example. e. Write a python code to Print the squares of numbers from 1 to 10 using loop control. f. List and explain type of error in python.	15
Q.2	Attempt <b><u>any three</u></b> of the following:  a. What is a function in Python? Write a python code to print factorial of a number using function. b. Explain math module. c. Strings are sequences of characters and are immutable. Justify the statement. d. List any five string methods with example. e. Explain Comparing two strings using the sorted() method. f. Explain Boolean functions.	15
Q.3	Attempt <b><u>any three</u></b> of the following:  a. List and explain built-in list operators. b. How to create tuple in python? Explain Indexing operator to access element from tuple. c. What is dictionary? How to create, update, and insert element into dictionary? d. Explain all the build in dictionary methods. e. Explain file object attributes. f. What is exception? How to handle it in python?	15
Q.4	Attempt <b><u>any three</u></b> of the following:  a. What is regular expression? List any five symbol and its meaning of RE. b. What are modules in Python? Explain random and time module. c. List and explain OOPs concept of Python.	15

	<p>d. What is inheritance? Explain python multilevel inheritance.</p> <p>e. Explain the term data hiding in python.</p> <p>f. Thread Synchronization. Explain the term.</p>	
Q.5	<p>Attempt <b><u>any three</u></b> of the following:</p> <p>a. Write a note on Label widget in python. List any five options of label widget.</p> <p>b. Design a calculator using widget of python</p> <p>c. Write a code in python for Creating warning message boxes.</p> <p>d. Write down steps to connect mysql from python.</p> <p>e. Explain List widget in python with options.</p> <p>f. Create a Library data base, perform CRUD Operations.</p>	15