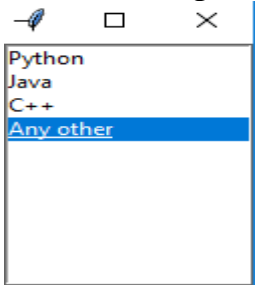


[Time:2.30 Hrs]		[ Marks:75 ]
Please check whether you have got the right question paper.		
N.B:	1. All question are compulsory. 2. Figures to the right indicate full marks. 3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.	

Q.1	Attempt <b><u>any three</u></b> of the following:  a. Write a short note on Syntax and Semantic errors. b. Explain arithmetic operators with example. c. List the datatypes in python. Explain any two datatypes with an example. d. Explain for loop with an example. e. Write a python program to calculate the area of a circle and print the result. Take input from the user. f. If the ages of Ram, Shyam and Rohan are input through the keyboard, write a program to determine the eldest of the three.	15
Q.2	Attempt <b><u>any three</u></b> of the following:  a. Define a function. What are the features of functions? Write a program to explain a function. b. What are the different ways to compare two string in Python? c. Write a note on Math functions. d. Explain any five string methods with examples. e. Write a Python program to count the occurrences of each word in a given sentence. f. Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument.	15
Q.3	Attempt <b><u>any three</u></b> of the following:  a. Explain built-in list operators with example. b. Write a short note on Tuple operations. c. Explain exception handling block in Python with the help of an example. d. Define dictionary. Explain the following dictionary methods with example – pop(), clear() & copy(). e. Write a Python program to print a specified list after removing the 0th, 2nd, 4th and 5th elements. f. Write a Python program to read a file line by line store it into a variable.	15
Q.4	Attempt <b><u>any three</u></b> of the following:	15

	<p>a. Explain search function with example.</p> <p>b. What is Method overriding? Explain with example.</p> <p>c. Define Inheritance. Explain Hybrid inheritance with a suitable example.</p> <p>d. Explain the process of creating multi-threaded priority queue.</p> <p>e. Explain with example Random module.</p> <p>f. Write a Python class which has two methods get_String and print_String. get_String accept a string from the user and print_String print the string in upper case</p>	
Q.5	<p>Attempt <b><u>any three</u></b> of the following:</p> <p>a. Explain the grid layout manager in python with the help of an example.</p> <p>b. Explain Check button widget with example.</p> <p>c. Write a short note on spin box.</p> <p>d. Write the python code to get the following output.</p>  <p>e. Write a program to design a simple calculator using widget.</p> <p>f. Write a Python code to do the following: i) Create table product with columns as product_name(not null, varchar(20)), product_price(not null, integer) in MYSQL and insert three rows. ii) Update respective row to product_price=50 where product_name="soap".</p>	15