

VII Sem B.E. (CSE) Mid Semester Examinations - II, October 2017

14CS704 – PYTHON PROGRAMMING

Duration: 1 Hour

Max. Marks: 20

Note: Answer any One full question from each Unit.

Unit – I

Marks BT*

In a retail application, there are many customers visit the outlet to purchase items. Design a system to keep track of the customers by reading and printing their data (Name, Address, Phone number). The ID for a customer should get automatically assigned. There are two categories of customers as privileged and non privileged. Privileged customer will get 10 % discount and others will get 5%. Represent this in a program

10 L*6

06 L3

04 L3

- a) Illustrate the three types of parameter passing to function.
- b) Design a program that demonstrates exception handling in python.

Unit – II

- a) Write a program that receives two numbers from the text fields and calculates the sum and then displays it in a message box. Generate an exception if the first number is less than the second.
- b) Explain how data hiding and operator overloading is achieved in python?

06 L3

04 L2

Create a GUI that is having a text box to enter the name, radio button to select the gender, check-box to choose hobbies. Write a function that's gets called on the button click to display these values as labels.

10 L3

T* Bloom's Taxonomy, L* Level

VII Sem B.E. (CSE) Mid Semester Examinations - II, October 2016

13CS704 – PYTHON PROGRAMMING

Duration: 1 Hour

Max. Marks: 20

Note: Answer any One full question from each Unit.

	Unit – I	Marks	BT*
a)	Write a program that sends a list as an argument to the function. The function should add an element to the list and display the list. The main function should also display the list.	5	L*3
b)	Write a program to create a class with suitable functions. Illustrate the creation of objects and the usage of functions.	5	L3
a)	Explain keyword arguments, default arguments and variable length argument, with a suitable example.	6	L2
b)	Illustrate the use of __init__ function in a class.	4	L3
	Unit – II		
	Write a program that receives two numbers from the text fields and calculates the sum and then displays it in a message box. Generate an exception if the first number is less than the second.	10	L3
	Create a GUI that is having a text box to enter the name, radio button to select the gender, check-box to choose hobbies. Write a function that's gets called on the button click to display these values as labels.	10	L3

Bloom's Taxonomy, L* Level
