Guru Nanak Dev Engineering College, Ludhiana			
Department of Information Technology			
Program	B.Tech.(IT)	**Semester**	4
Subject Code	PCIT-105	**Subject Title**	Python Programming
Mid Semester Test (MST) No.	1	**Course Coordinator(s)**	Harpreet Kaur
Max. Marks	24	**Time Duration**	1 hour 30 minutes
Date of MST		**Roll Number**	

Note: Attempt all questions

Q. No.	Question	COs, RBT level	Marks
Q1	"Python is Platform Neutral". Comment.	CO1, L2	2
Q2	What are the Immutable data types in Python?	CO1, L2	2
Q3	Write a program to explain the concept of a) isdecimal() , b) isdigit(), c) partition(), d) rfind() String methods.	CO3, L3	4
Q4	Write a program to print the following pattern: 4 3 2 1 3 2 1 2 1 1	CO3, L4	4
Q5	Write a Python program that prints all the numbers from 0 to 9 except 3, 5 and 6.	CO3, L4	4
Q6	1) Give and Explain the Outputs of following code fragments with input a= -7 and b= 5: a) Print(a/4) and print(a//4) b) Print(~a) c) Print(a>>3) d) Print(a and b) 2) How to Read and Write into a Text file in Python	CO1,C06 L4	8(4+4)

Course Outcomes (CO)

Students will be able to

1	Familiar with Python environment, data types, operators used in Python
2	Compare and contrast Python with other programming languages..
3	Learn the use of control structures and numerous native data types with their methods.
4	Design user defined functions, modules, and packages.
5	Investigate and implement Graphical User Interfaces based programming
6	Create and handle files in Python
7	Identify the need of object oriented programming features and implement the same to meet real time requirements.

RBT Classification	**Lower Order Thinking Levels (LOTS)**			**Higher Order Thinking Levels (HOTS)**		
RBT Level Number	L1	L2	L3	L4	L5	L6
RBT Level Name	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating