

MCSL-205 (Set-4)
POST GRADUATE DIPLOMA IN COMPUTER
APPLICATIONS (PGDCA-New)
C and PYTHON Lab

Duration: 2 hours

Maximum Marks: 50

Note: 1. This question paper comprises of two compulsory questions, each of 20 marks.

2. Rest 10 marks are for viva-voce.

1. a) Write a program in C to create a file, open it, type in some characters and type the number of characters in that file. 10
- b) Write a recursive program in C to find the Greatest Common Divisor (GCD) of the two numbers entered by the user. 10
2. Create a package in Python named “Interest” and within this package create two modules simple.py and compound.py. Introduce simple-interest() function in simple.py module and compound-interest() function in compound.py module. Now, import the developed package and modules in your program and use the functions simple-interest() and compound-interest() to compute simple interest and compound interest for the values of Principle amount, rate of interest and time period; entered by the user. 20

Note: Make necessary assumptions if any.
