Exam.Code:0923
Sub. Code: 33555

2076

B.E. (Information Technology)

Fifth Semester

PEIT-501(c) : Python Programming

Time allowed: 3 Hours Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting two questions from each Section.

x-x-x

I. **a)** Differentiate between List and Tuple. 2

b) What is self-parameter? List its uses. 2

c) Explain how the read method works on a file. 2

d) What is method overloading in Python? 2

e) How do we create a connection object? 2

Section - A

II. **a)** Write a Python program to check whether the given number is palindrome or not. 5

b) Illustrate the different types of control flow statements available in Python with flowcharts. 5

III. **a)** How Tuple is created in python? Discuss different method that you can use on Tuple. 5

b) What are advantages of functions. Write a Python program to find factorial of a number using user defined function. 5

IV. **a)** Discuss the following methods associated with the file object 6
a) write( ) b) writeline( ) c) seek( )

b) Discuss string slicing. Illustrate how it is done in python with an example. 4

P.T.O.

Section - B

V.	a)	Write a Python program to demonstrate the concept of operator overloading.	5
	b)	What is object-oriented programming? Discuss the features of object-oriented languages using Python.	5
VI.	a)	What are regular expressions? How validation done using regular expression.	5
	b)	What is exception? Discuss exception handling, try-finally-else and try- finally?	5
VII.	a)	Write a python code for create a database table and then write a procedure for insert statement and read operation.	5
	b)	Explain the various database operations one can perform using MySQL-Python connectivity.	5

x-x-x