B.E. Electronics & Communication/Telecommunication Engineering (Model Curriculum)
Semester-VII
ET702M - Advanced Programming

P. Pages : 2

Time : Three Hours

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* 7 8 1 5 *

Max. Marks : 80

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Notes : 1. All questions carry equal marks.
2. Assume suitable data wherever necessary.
3. All questions are compulsory.

1.	a)	Write a program to reverse the given statement (word by word) using split and join.	**8**
	b)	Explain the concept of recursion with an example.	**8**

<div align="center">**OR**</div>

2.	a)	Write a program to find the factorial of number from the given range. For example, find the factorial of all numbers range from 35 to 75.	**8**
	b)	Write a program to find the number of occurrence of each vowel present in the given string.	**8**
3.	a)	List and explain methods and operations we can perform on list.	**8**
	b)	What is Tuple? List and explain methods of Tuple.	**8**

<div align="center">**OR**</div>

4.	a)	Write a program to perform operations given below on the list:	**8**

   i)   Print duplicates from list of integers.

   ii) All odd numbers from the list of integers.

   iii) Find the second largest number.

   iv) Reverse a list.

	b)	What is Dictionaries? Explain the operations and methods we can perform on dictionary.	**8**
5.	a)	Explain try and except keywords in detail with the help of example.	**8**
	b)	Write a program to print the number of vowels and consonants present in the given file.	**8**

<div align="center">**OR**</div>

6.	a)	Write a program to illustrate difference between write( ) and append( ).	**8**
	b)	Explain how Python perform Exception Handling.	**8**

7.	a)	Explain Constructor with an example.	**8**
	b)	Explain Multilevel Inheritance with an example.	**8**

OR

8.	a)	Write a program to declare a class 'student'. Having data members as name, roll no., percentage and functions as get ( ) to accept the data and put( ) function to display the data.	**8**
	b)	Explain the concept of Inheritance in detail with an example.	**8**
9.	a)	What is the use of Pandas Library? Explain it utility by listing its applications.	**8**
	b)	Explain different types of graphical representation we can perform with the help of Python libraries.	**8**

OR

10.	a)	How to use Numpy for numerical data work?	**8**
	b)	Explain the usage of Pandas for Data Analysis.	**8**

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