

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2019

Course: BCA
Program: Python Script
Course Code: CSBC 2006

Semester: IV
Time 03 hrs.
Max. Marks: 100

Instructions:

SECTION A

S. No.		Marks	CO
Q 1	List various operators supported in Python.	4	CO1
Q 2	Write a program in python to check given number is Armstrong or not.	4	CO2
Q 3	What is variable length arguments? Explain with the help of code.	4	CO3
Q 4	Write a program to check whether string start with specific character.	4	CO4
Q 5	List different directory are available in python file handling.	4	CO5

SECTION B

Q 6	Write a program in python that displays all leap years from 1900-2101. Elaborate the concepts nested loops	10	CO2
Q 7	How can we return more then two values in functions? Explain with the help of example.	10	CO3
Q 8	Elaborate the concept of modules with example. List different Date & time Module methods.	10	CO4
Q 9	Elaborate the concepts of public and private data members in python. Write a program to explain the difference between public and private variable. Explain the purpose indirect base class. Or Write program in python that extends the class Employee. Drive a class Manager from employee so that it list all the details of the manager as well as details of employee working under that manager.	10	CO5

SECTION-C

Q 10	List different access mode available in python file handling. Write a program to count number of records in a file. Differentiate absolute and relative path.	20	CO5
Q 11	List advantages of tuples over list. Write a program to accept numbers in list and sum all the positive number in list. Elaborate the concept of dictionary with examples. or Develop a program to add two matrix using nested list.	20	CO4

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2019

Course: BCA Program: Python Script Course Code: CSBC 2006	Semester: IV Time 03 hrs. Max. Marks: 100
--	--

Instructions:

SECTION A

S. No.	Question	Marks	CO
Q 1	How can we extract substring from string. Elaborate concept of slicing.	4	CO1
Q 2	Write a program in Python to reverse a number.	4	CO2
Q 3	Write lambda function to multiply two numbers.	4	CO3
Q 4	Python string are immutable. Justify this statement with example.	4	CO4
Q 5	With the help of example, explain different ways to write in file through python.	4	CO5

SECTION B

Q 6	Differentiate break vs continue vs pass. Write a program to calculate square root of numbers. Demonstrate the use of break and continue.	10	CO2
Q 7	Write a program to create list of number of specific range in a particular steps. Reverse the list and print the values.	10	CO3
Q 8	Elaborate the concepts of module in python. List different methods available in math module along with code.	10	CO4
Q 9	Explain the concept of garbage collection in python. Create a class to enter three sides and calculate area of triangle. Or Make a class Book with members Title, Author, publisher, ISBN number. Function of class will read & write the data. Elaborate on build in class attribute.	10	CO5

SECTION-C

Q 10	List different access mode available in python file handling. Write a program to count number of character in a file. Differentiate absolute and relative path.	20	CO5
Q 11	How tuples are useful data structure. Write a program that creates a dictionary of radius of	20	CO4

	<p>a circle and its areas.</p>		
--	--------------------------------	--	--

or

Develop a program to subtract two matrix using nested list.