

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, Dec 2021

Course: Python Scripting
Program: BCA
Course Code: CSBC2006P

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

Instructions:

SECTION A

- 1. Each Question will carry 4 Marks**
2. Instruction: Explain in short.

S. No.		Marks	CO
Q1.	Explain importance of Python by any real case scenario.	4	CO1
Q2.	Describe classes and objects in python suitable example.	4	CO4
Q3.	Differentiate between immutable and mutable objects in Python? Explain with example.	4	CO2
Q4.	Discuss the type() and id () methods in Python Programming with example of each.	4	CO2
Q5.	Elaborate Exception handling in Python. Give example of user-defined exceptions in Python.	4	CO4

SECTION B

- 1. Each question will carry 10 marks**
2. Instruction: Write brief notes.

Q6.	Explain about string slicing in Python with examples.	10	CO1
Q7.	Define a function max_of_three() that takes three numbers as arguments and returns the largest of them.	10	CO2
Q8.	Discuss the following methods: a) search() b) match() c) findall() Python with example? OR Describe the need for catching exceptions using try and except statements with example.	10	CO3
Q9.	Create a Python class named Circle constructed by a radius and two methods which will compute the area and the perimeter of a circle.	10	CO4

SECTION-C

1. Each Question carries 20 Marks.

2. Instruction: Write long answer.

Q10	Explain types of conditional structures present in Python language? Explain each with example. <p style="text-align: center;">OR</p> Describe List and its basic operations that can be performed in Python? Explain each operation with its syntax and example.	20	CO3
Q11	Discuss inheritance in Python programming language. Write a Python program to demonstrate the use of super () function.	20	C04