


Name: Enrolment no:		 UNIVERSITY WITH A PURPOSE	
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Online-End Semester Examination, Dec 2021			
Course: Python Programming		Semester: 3 rd	
Program: M.Sc-Petroleum-Geo Science		Time 03 hrs.	
Course Code: CSAI8001		Max. Marks: 100	
SECTION A			
1. Section A, each question carry 4 Marks.			
2. Section B, each question carry 10 marks.			
3. Section C, each question carry 20 mark.			
S. No.	Question	CO	
Q 1	Define data types and variable with examples.	CO1	
Q 2	Define list concatenation.	CO2	
Q 3	Define while loop in python with examples.	CO3	
Q 4	Define linked list and doubled linked list.	CO4	
Q 5	Describe python module for file operation.	CO5	
SECTION B			
Q 6	Explain about string slicing with program.	CO1	
Q 7	Explain how to create a dictionary in python.	CO2	
Q 8	Explain what is range() function and how it is used in lists?	CO3	
Q 9	Design a program iteratively access a function using python programming.	CO4	
	OR		
	Describe SMTP python module with program.	CO4	
Section C			
Q 10	Design a program to concatenate two linear lists and perform traversal operation to access the elements.	CO5	
Q 11	Design a program to perform array operations by importing array module. Use suitable program.	CO5	
	OR		
	Illustrate OOPs features as polymorphism, inheritance and encapsulation with examples.	CO5	