

QP Code: D 112486		Total Pages: 1	Name:
		Register No.	
FIRST SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2024			
(CUFYUGP)			
CSC1MN102 - PYTHON PROGRAMMING			
2024 Admission onwards			
Maximum Time: 2 Hours		Maximum Marks: 70	
Section A			
All Question can be answered. Each Question carries 3 marks (Ceiling: 24 Marks)			
1	Define what an IDE is and name two popular Python IDEs.		
2	How do you perform type conversion from float to integer in Python?		
3	How to write comments in Python and explain its purpose?		
4	What are operands in Python? Provide an example.		
5	Briefly discuss the difference between set and dictionary data types.		
6	Write an expression that uses multiple operators and explain the order of evaluation.		
7	Define what a variable is in Python with an example.		
8	What is the purpose of the import statement in Python?		
9	Write a statement to delete an element from a list.		
10	Describe what a boolean expression evaluates to.		
Section B			
All Question can be answered. Each Question carries 6 marks (Ceiling: 36 Marks)			
11	Explain the different data types available in Python and provide examples.		
12	Explain with an example the while loop with an else clause in Python.		
13	Write a function that uses recursion to compute the factorial of a number.		
14	Describe string manipulation methods in Python with examples.		
15	What are built-in mathematical functions in Python? List and explain two.		
16	Discuss how to access and modify elements in a dictionary.		
17	Explain the concept of associativity of operators with an example.		
18	Discuss with an example the use of the pass statement in control structures.		
Section C			
Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)			
19	Evaluate the role of loops in Python programming and compare for and while loops.		
20	Design a Python program that uses a dictionary to store student names and their grades, then prints out each student with their corresponding grade.		