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D1BCS2502 **Name: .....**

Reg. No.: .....

FIRST SEMESTER FYUGP EXAMINATION NOVEMBER 2025

(Regular/Improvement/Supplementary)

MINOR

CSC1MN102: PYTHON PROGRAMMING

Time: 2 Hrs. **Maximum Marks: 70**

M: Mark BL: Bloom's Taxonomy Level (1 to 6) CO: Course Outcome

Section A: Answer all questions. Each carries 3 marks.

Ceiling: 24 Marks

No.	Question	M	BL	CO
1.	Write a note on Python IDE.	3	1	CO1
2.	Compare and contrast identifiers and keywords in Python.	3	4	CO1
3.	Write a note on bitwise operators in python. Give two examples.	3	2	CO1 CO4
4.	How can we assign multiple values to multiple variables in python? Illustrate with an example.	3	3	CO1 CO4
5.	Explain the syntax of ‘while loop with else’ in Python.	3	2	CO1
6.	Write a Python program that uses a "for" statement to iterate through a list and print each item.	3	3	CO1 CO2 CO3
7.	Why are there fewer methods available for tuples compared to lists?	3	2	CO1 CO3
8.	What are built in functions? Give two examples.	3	1	CO1 CO5
9.	What is the purpose of the datetime module in Python?	3	2	CO1 CO6
10.	Explain the difference between a function definition and a function call in Python.	3	2	CO5

Section B: Answer all questions. Each carries 6 marks.

Ceiling: 36 Marks

No.	Question	M	BL	CO
11.	With diagram explain the working of python interpreter.	6	1	CO1
12.	Write a Python program that uses the range function to generate a list of odd numbers between 1 and 20.	6	3	CO1 CO4
13.	Design a small Python program that showcases both correct and incorrect indentation, and explain the differences in outcomes.	6	6	CO1 CO2 CO3
14.	Create a Python program that uses "if..elif..else" statements to assign letter grades (A, B, C, D, F) based on a numeric score.	6	6	CO1 CO2 CO3
15.	Explain “for” statement in python with syntax and examples.	6	2	CO1 CO2 CO3
16.	Compare append() and extend() methods of python lists with suitable examples.	6	3	CO1 CO3
17.	Design a program that allows users to create a list and input an index, then uses 'del' to remove the specified indexed item and displays the updated list.	6	6	CO1 CO3
18.	Write notes on math and random python libraries.	6	4	CO1 CO6

(PTO)

Section C: Answer any one question. Each carries 10 marks. (1 x 10 = 10 Marks)				
No.	**Question**	**M**	**BL**	**CO**
19.	Define tuple in python. Describe the operations and methods available for manipulating tuple in Python with examples	10	3	CO1 CO4
20.	Define function. Mention its types. Give the syntax of user defined function. Write a program to find the sum of digits of a number using user defined function.	10	6	CO5