

Seat No. **Winter Examination Oct/Nov 2023**

**Subject Name:** B.C.A. (CBCS)\_88235\_88661 \_ Python Programming\_28.10.2023\_02.30 PM To 05.30 PM  
**Subject Code:** 88235

**Day and Date:** - Saturday, 28-10-2023  
**Time:** - 02:30 pm to 05:30 pm

**Total Marks:** 70**Instructions.:**

1) Figures to the right indicate full marks

**Special Instruction.:**

Que.1 and Que. 6 are compulsory . Attempt any three Questions from Que. No.2 to Que. No. 5.

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**Q.1. Q.1) A] Choose correct option. 10 [20]**

1) Which of the following statements is used to create an empty set in Python?

- a) ( )
- b) [ ]
- c) { }
- d) set()

2) What arithmetic operators cannot be used with strings in Python?

- a) \*
- b) -
- c) +
- d) All of the mentioned

3) Python supports the creation of anonymous functions at runtime, using a construct called \_\_\_\_\_

- a) pi
- b) anonymous
- c) lambda
- d) none of the mentioned

4) Which of the following character is used to give single-line comments in Python?

- a) //
- b) #
- c) !
- d) /\*

5) Which keyword is used for function in Python language?

- a) Function
- b) def
- c) Fun
- d) Define



- 6) All keywords in Python are in \_\_\_\_\_  
a) Capitalized  
b) lower case  
c) UPPER CASE  
d) None of the mentioned
- 7) Which of the following is the correct extension of the Python file?  
a) .python  
b) .pl  
c) .py  
d) .p
- 8) Which of the following is a Python tuple?  
a) [1, 2, 3]  
b) (1, 2, 3)  
c) {1, 2, 3}  
d) {}
- 9) Which of the following functions is a built-in function in python?  
a) seed()  
b) sqrt()  
c) factorial()  
d) print()
- 10) What is the output when we execute list("hello")?  
a) ['h', 'e', 'l', 'l', 'o']  
b) ['hello']  
c) ['llo']  
d) ['olleh']

Q. 1) B] Write short answers (Any two)

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- 1) Explain how to create list and access list items.
- 2) Explain date time and math module in python.
- 3) Discuss applications of python.

Q.2. Explain function with argument and lambda function in python in detail. [10]

Q.3. Explain with example different data types and operator in python. [10]

Q.4. Explain basic tuple operations, indexing and slicing with example. [10]

Q.5. What is dictionary? Explain built in dictionary functions and methods. [10]

Q.6. Write short note on (Any Four) [20]

- 1) GUI in python
- 2) Set operations
- 3) Reading and writing files
- 4) Escape character
- 5) Continue and pass statements
- 6) Features of python

