PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION DECEMBER 2023
(Fourth Semester)

Branch - NETWORKING AND MOBILE APPLICATIONS

PYTHON PROGEAMMING

Time: 3 Hours   Maximun : 50 Marks

SECTION-A (5 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (5 X1 = 5)

1. What is the output of >>> eval ("42+2")
   (i) 42   (ii) 2
   (iii) 44   (iv) '44'

2. Lambda function cannot contain _____ logic.
   (i) simple   (ii) complex
   .(iii) both   (iv) none of the above

3. What will be the output of the following python code?
   ```
   X=(I for I in range(3))
   For I in x:
   Print(i)
   ```
   (i) 0 1 2   (ii) Error
   (iii) 0 1 2 0 1 2   (iv) none of the mentioned

4. Parent class is the class being inherited in python, called as _____
   (i) derived class   (ii) child class
   (iii) hybrid class   (iv) base class

5. Dictionaries in python are _____
   (i) mutable data type   (ii) non-mutable data type
   (iii) mapping data type   (iv) both i & iii

SECTION-B (15 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (5 X 3 = 15)

6.(a) Discuss about python character set.
             OR
   (b) Write about input() function with example.

7 (a) What is the use of a function?
             OR
   (b) Write a python program using Recursive function.

8 (a) How to creating List? Give example.
OR
   (b) Write about Immutable strings.

9 (a) Differentiate zip() & inverse zip(*) function.
OR
   (b) How to passing an object as parameter to a method?

10 (a) How to creating a dictionary?
OR
   (b) Why file handling is need?

SECTION-C (30 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (5 X 6 = 30)

11.(a) Explain in detail about different types of loop control statement
OR
   (b) Write a note on (a) Tokens (b) Python inbuilt function.

12. (a) Write about the following variable with suitable example
        (i) Local   (ii) Global
OR
   (b) How to passing parameters & arguments in function? Explain.

13 (a) Clarify how to string traversing with for & while loop?
OR
   (b) Give a brief note on (i) List Slicing (ii) List Operator.

14 (a) Explain Inheritance and its types with example.
OR
   (b) How to creating set & tuples with an example. Explain in detail

15. (a) Demonstrate how to comparing and traversing dictionaries with example.
OR
   (b) Explain about File handling with example.

Z-Z-Z   END