PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BVoc DEGREE EXAMINATION DECEMBER 2024
(Fourth Semester)

Branch – **NETWORKING AND MOBILE APPLICATION**

FUNDAMENTALS OF PYTHON PROGRAMMING

Time: Three Hours   Maximum: 50 Marks

SECTION-A (5 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (5 x 1 = 5)

1   Which of the following is the correct extension of the Python file?
a) .python   b) .pl   c) .py   d) .p

2   Is Python code compiled or interpreted?
a) Python code is both compiled and interpreted
b) Python code is neither compiled nor interpreted
c) Python code is only compiled
d) Python code is only interpreted

3   Which keyword is used for function in Python language?
a) Function   b) def   c) Fun   d) Define

4   Python supports the creation of anonymous functions at runtime, using a construct called _____
a) pi   b) anonymous   c) lambda   d) create

5   Which of the following is the truncation division operator in Python?
a) | b) //   c) /   d) %

SECTION - B (15 Marks)
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks   (5 x 3 = 15)

6   a)   Explain the concept of eval() function with example.
            OR
    b)   Narrate the purpose of commenting in python.

7   a)   Summarize the use of a function.
            OR
    b)   Distinguish between the local and global variable.

8   a)   How will you accessing the elements of a list? Explain.
            OR
    b)   Outline the different types of inheritance.

9   a)   State the various operations on Tuples.
            OR
    b)   Analyze the steps to create a dictionary with example.

10   a)   Show the uses of text input and output functions.
            OR
    b)   Elaborate the core concepts of computer graphics.

SECTION -C (30 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks   (5 x 6 = 30)

11 a) Analyze the different types of data types available in Python.
          OR
    b) Enumerate the while loop statement with syntax and example.

12 a) Discuss the traversing string with for and while loop.
          OR
    b) Compare the recursion and lambda function.

13 a) Identify the python inbuilt functions for lists with example.
          OR
    b) Examine the self parameter and adding methods to a class.

14 a) Discover the passing variable length arguments to Tuples.
          OR
    b) Assume the need of traversing nested dictionaries with example.

15 a) Develop the Python program to compare two text files.
          OR
    b) Determine the methods used for drawing shapes in PyGame.

Z-Z-Z   END