

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023
(Fifth Semester)

Branch – COMPUTER TECHNOLOGY

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 Identify the words which best describes Python.
(i) Interpreted (ii) Reliable
(iii) Simple (iv) All of these
- 2 Find that if list = [1, 2, 3, 4, 5], then list [5] will result in which of the following?
(i) 1 (ii) 5 (iii)2 (iv) Error
- 3 Which of the following creates a new type?
(i) Object (ii) Class
(iii) Attribute (iv) Method
- 4 Which of the following is not a type of Inheritance in Python?
(i) Multiple (ii) Double
(iii) Single (iv) Multi-level
- 5 Which of the following is a synchronous exception?
(i) Hardware Malfunction (ii) Disk failure
(iii) Divide by zero (iv) Interrupt from keyboard

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Analyse about Function Definition.
OR
b Explain the working of while loop structure.
- 7 a How to Concatenate and Append Strings? Explain with examples.
OR
b Describe about Accessing and Deleting Elements in tuple.
- 8 a How to sort items in a Dictionary? Give examples.
OR
b Outline the built-in Functions to Check and Delete Class Attributes.
- 9 a Apply Multi level inheritance with an example.
OR
b How will you Override an operator in Python?
- 10 a Differentiate Error and Exception with examples.
OR
b Analyse about Multiple Except Blocks.

Cont...

SECTION -C (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks

(5 x 6 = 30)

- 11 a Examine other data types used in Python.
OR
b Survey on Variable Scope and Lifetime.
- 12 a Analyse the String Formatting operator.
OR
b Examine the basic list operations.
- 13 a Discuss about Built-in Dictionary Functions and Methods.
OR
b Differentiate between Class Variables and Object Variables.
- 14 a Discuss about Inheriting classes in Python.
OR
b Trace the Implementation of operator overloading.
- 15 a How to Handle Exceptions in Python? Discuss about it.
OR
b Discuss the need of else clause in try exception block.

Z-Z-Z

END