

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BSc DEGREE EXAMINATION DECEMBER 2023
(Fifth Semester)**

Branch – **COMPUTER SCIENCE**

OPEN SOURCE 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 type of Programming does Python support?
 - i) object-oriented programming
 - ii) structured programming
 - iii) functional programming
 - iv) all of the mentioned
- 2 Suppose t = (1, 2, 4, 3), which of the following is incorrect?
 - i) print(t[3])
 - ii) t[3] = 45
 - iii) print(max(t))
 - iv) print(len(t))
- 3 What is Instantiation in terms of OOP terminology?
 - i) Deleting an instance of class
 - ii) Modifying an instance of class
 - iii) Copying an instance of class
 - iv) Creating an instance of class
- 4 What is PHP?
 - i) PHP is an open-source programming language
 - ii) PHP is used to develop dynamic and interactive websites
 - iii) PHP is a server-side scripting language
 - iv) All of the mentioned
- 5 How to define a function in PHP?
 - i) functionName(parameters) {function body}
 - ii) function {function body}
 - iii) function functionName(parameters) {function body}
 - iv) data type functionName(parameters) {function body}

SECTION - B (15 Marks)

Answer **ALL** Questions

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

- 6 a Give any two examples for variables with its explanation in python.
OR
b Elucidate List Operations.
- 7 a Explain Tuple Assignment with example.
OR
b Illustrate Pickling.
- 8 a State the importance of Attributes.
OR
b Specify the role of In line JavaScript with example.
- 9 a Describe Identifiers with example in PHP.
OR
b Discuss the use of require() and include() with its example.
- 10 a List out the Strategy of access controlling in private and public classes.
OR
b Narrate Tables, Columns, Rows in Mysql.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Evaluate Conditional Statements with example in Python.
OR
b Explain Cloning Lists in python.
- 12 a Specify the importance of Random Numbers in Sets.
OR
b Describe Dictionary Operations in detail.
- 13 a Write the Working of Instances as return values.
OR
b Bring out the importance of Arrays in Java Script.
- 14 a Illustrate constants and its declaration in PHP.
OR
b Highlight the working of Own Functions.
- 15 a Explain the guidelines for Instantiating Classes.
OR
b Out sketch the working of Deleting and Dropping in mysql Database.

Z-Z-Z

END