

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024  
(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 of the following is the correct extension of the Python file?  
i) .python      ii) .pl      iii) .py      iv) .p
- 2 Which of the following is a Python tuple?  
i) [1, 2, 3]      ii) (1, 2, 3)      iii) {1, 2, 3}      iv) {}
- 3 \_\_\_\_\_ represents an entity in the real world with its identity and behaviour.  
i) A method      ii) An object  
iii) A class      iv) An operator
- 4 What does PHP stand for?  
i) PHP stands for Preprocessor Home Page  
ii) PHP stands for Pretext Hypertext Processor  
iii) PHP stands for Hypertext Preprocessor  
iv) PHP stands for Personal Hyper Processor
- 5 In which form MYSQL query results are displayed?  
i)list      ii)tuple  
iii)rows and columns      iv)list and tuples both

SECTION - B (15 Marks)

Answer ALL Questions

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

- 6 a List the importance of Python Programming languages.  
OR  
b Elucidate List Parameters.
- 7 a Explain methods and operators of python sets.  
OR  
b Illustrate methods with example.
- 8 a State the importance of Sameness.  
OR  
b Specify the role of <script> tags with example.
- 9 a Describe Variable Scope with example in PHP.  
OR  
b Discuss Matching and Replacing Substring in PHP.
- 10 a List out the points to Create a Class in PHP.  
OR  
b Narrate Schemas in Database.

Cont...

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Evaluate Strings with examples.  
OR  
b Explain Loops in Python.
- 12 a Specify the importance of Mutability and Tuples.  
OR  
b Describe Files and Exceptions in detail.
- 13 a Write the Working of Instances as Arguments.  
OR  
b Bring out the importance of Arrays.
- 14 a Illustrate Variables types and its declaration in PHP.  
OR  
b Highlight the working of Function Structure.
- 15 a Explain the guidelines for Calling Class Operations with example.  
OR  
b Out sketch the working of Retrieving and Updating in mysql Database.

Z-Z-Z

END