

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

**BSc DEGREE EXAMINATION DECEMBER 2022  
(Fifth Semester)**

Branch – **COMPUTER SCIENCE**

**OPEN SOURCE PROGRAMMING**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** marks

(10 x 1 = 10)

- 1 Which of the following is not a keyword?
 

(i) eval	(ii) assert
(iii) nonlocal	(iv) pass
- 2 Suppose list1 is [1, 3, 2], What is list1 \* 2?
 

(i) [2, 6, 4]	(ii) [1, 3, 2, 1, 3]
(iii) [1, 3, 2, 1, 3, 2]	(iv) [1, 3, 2, 3, 2, 1]
- 3 Which of these about a frozenset is not true?
 

(i) Mutable data type	(ii) Allows duplicate values
(iii) Data type with unordered values	(iv) Immutable data type
- 4 What is the data type of (1)?
 

(i) Tuple	(ii) Integer
(iii) List	(iv) Both tuple and integer
- 5 \_\_\_\_\_ is used to create an object.
 

(i) class	(ii) constructor
(iii) User-defined functions	(iv) In-built functions
- 6 In JavaScript The "function" and " var" are known as:
 

(i) Keywords	(ii) Data types
(iii) Declaration statements	(iv) Prototypes
- 7 Which of the following is the correct syntax to write a PHP code?
 

(i) <?php ?>	(ii) < php >
(iii) < ? php ?>	(iv) <? ?>
- 8 Which one of the following property scopes is not supported by PHP?
 

(i) friendly	(ii) final
(iii) public	(iv) static
- 9 Which method scope prevents a method from being overridden by a subclass?
 

(i) Abstract	(ii) Protected
(iii) Final	(iv) Static
- 10 Which one of the following methods is responsible for sending the query to the database?
 

(i) query()	(ii) send_query()
(iii) sendquery()	(iv) mysqli_query()

**SECTION - B (25 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** Marks

(5 x 5 = 25)

- 11 a Develop a recursive function to find factorial of a number in Python.  
OR
- b Describe following string functions with syntax: title(), strip(), islower(), isupper().

. Cont...

- 12 a Discuss about Text File reading and writing files in python?  
OR  
b State dictionary? Explain the methods available in dictionary.
- 13 a State object? How it is created? Explain with syntax and example.  
OR  
b Explain the various event handlers in java script. Give an example.
- 14 b Explain the type of variable in php.  
OR  
a Describe any five string function.
- 15 a Analyze the different kinds of PHP variables in object-oriented programming?  
OR  
b Illustrate how to Update the data in a MySQL Table.

**SECTION -C (40 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Categorize the expressions in python with order of evaluation with example.  
OR  
b Explain the following statements i) for loop ii) while loop.
- 17 a Illustrate the ways of creating the tuple and the tuple assignment with example.  
OR  
b Explain the following Handling Exceptions with example i) try ii) try-except iii) try- except-else iv) try-except-else.
- 18 a Classify the different types of inheritance and explain.  
OR  
b What are the methods associated with array object in JavaScript? Explain each one with an example.
- 19 a Classify If conditional statements with example in php.  
OR  
b Discuss the various type of operators.
20. a Explain the controlling access in object oriented php.  
OR  
b Summarize the statements with mysql in php.

Z-Z-Z

END