

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2022  
(Fourth Semester)

Branch – NETWORKING AND MOBILE APPLICATION

PYTHON PROGRAMMING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

- Which keyword is used for function in Python language?  
(i) Function (ii) Def (iii) Fun (iv) Define
- Which of the following character is used to give single-line comments in Python?  
(i) // (ii) # (iii) ! (iv) /\*
- What are the two main types of functions in Python?  
(i) System function (ii) Custom function  
(iii) Built-in function & User defined function (iv) User function
- Which of the following items are present in the function header?  
(i) function name (ii) parameter list  
(iii) return value (iv) Both i and ii
- Name the function which is used to find the length of a string.  
(i) len() (ii) length() (iii) strlen() (iv) slen()
- Which of the following is used to extract particular range from a sequence?  
(i) slicing (ii) range (iii) indexing (iv) replication
- What is getattr() used for?  
(i) To access the attribute of the object (ii) To delete an attribute  
(iii) To check if an attribute exists or not (iv) To set an attribute
- Which of these about a set is not true?  
(i) Mutable data type (ii) Allows duplicate values  
(iii) Data type with unordered values (iv) Immutable data type
- Which of the statements about a dictionary is false?  
(i) more than one key can have the same value  
(ii) the values of the dictionary can be accessed as dict[key]  
(iii) values of a dictionary must be unique.  
(iv) values of dictionary can be a mixture of letters and numbers.
- To open a file c:\scores.txt for reading, we use \_\_\_\_\_  
(i) infile = open("c:\scores.txt", "r") (ii) infile = open("c:\\scores.txt", "r")  
(iii) infile = open(file = "c:\scores.txt", "r") (iv) infile = open(file = "c:\\scores.txt", "r")

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

11. a) Outline the print() function in python.

(OR)

- b) Demonstrate python built in functions.

Cont...

12. a) Examine the use of function in detail.

(OR)

b) Discuss lambda function with example.

13. a) Outline the concept of str class.

(OR)

b) Elucidate how to create list in python.

14. a) Demonstrate method overloading in python.

(OR)

b) Explain set operations with example.

15. a) Determine comparing two dictionaries.

(OR)

b) Explain seek() function in python file handling.

**SECTION -C (40 Marks)**

Answer ALL questions

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

16. a) Enumerate python core data types.

(OR)

b) Explain looping statement in python.

17. a) Elucidate the Syntax and Basics of function

(OR)

b) Examine Recursive functions with example.

18. a) Discuss inbuilt python built in functions for strings.

(OR)

b) Explain list methods in detail.

19. a) Give an overview of Inheritance

(OR)

b) Elaborate Sort tuples in detail.

20. a) Discuss about creating, adding and replacing values in dictionary.

(OR)

b) Examine text input and output in files.

Z-Z-Z END