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**Voc(S-III) — BCA  
(CC – 5)**

**2023 .**

*Time : 3 hours*

*Full Marks : 70*

*Pass Marks : 32*

*Candidates are required to give their answers in  
their own words as far as practicable.*

*The figures in the margin indicate full marks.*

*Answer from **all** the Groups as directed.*

**Group – A**

**(Objective Type Questions)**

1. Select the correct answer of the following :

**1×5 = 5**

(a) Which of the following is not the correct syntax  
for creating a set ?

(i) Set ([[1, 2], [3, 4]])

(ii) Set ([1, 2, 2, 3, 4])

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**(Turn over)**

- (iii) Set ((1, 2, 3, 4))
- (iv) {1, 2, 3, 4}
- (b) What is the output when you execute list("hellow") ?
  - (i) ['h', 'e', 'l', 'l', 'o']
  - (ii) ['hellow']
  - (iii) ['llo']
  - (iv) ['olleh']
- (c) In order to store value in term of key and value you use which core data type :
  - (i) List
  - (ii) Tuple
  - (iii) Class
  - (iv) Dictionary
- (d) Who developed Python Programming Language ?
  - (i) Wick Van Rossum
  - (ii) Rasmus Lerdorf
  - (iii) Guido Van Rossum
  - (iv) Niene Stom

(e) What is the maximum possible length of an Identifier ?

(i) 16

(ii) 32

(iii) 64

(iv) None of these

2. Fill up the blanks :

1×5 = 5

(a) .py is the extension for Python.

(b) The data type for 14.2 is float.

(c) // operator is used for division and discard the fractional part.

(d) || is called OR.

(e) Python is a high level, interpreted, structured language.

### Group – B

#### • (Short-answer Type Questions)

3. Answer any four questions of the following :

5×4 = 20

(a) Differentiate between Java and Python.

(b) Discuss built in data type in Python.

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(3)

(Turn over)

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- (c) Write a Python code to check in given number is Armstrong number or not.
  - (d) Differentiate between lists and tuples.
  - (e) What are Python Modules ?
  - (f) Explain Generator Vs Iterators.

**Group – C**

**(Long-answer Type Questions)**

4. Answer any four questions of the following :

$10 \times 4 = 40$

- (a) What are Python Strings ?
- (b) What is Module and Package in Python ?
- (c) Explain the exception handling in Python.
- (d) Explain the Programming Cycle for Python.
- (e) Write Python Program to replace Comma-Separated words with hyphens and print hyphen-separated word in Ascending order.
- (f) Write a program in Python to check whether a number is Plaindrome or not.

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