Voc(Sem-III) — BCA
(CC – 5)

~~2023~~ 2022

Time : 3 hours

Full Marks : 50

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 folloiwng :

1×5 = 5

(a) All keyword in Python are in :

   (i) Capitalized

   (ii) Lower case

   (iii) Upper case

   (iv) None of these

(b) Which of the following is used to define a block of code in Python Language ?

(i) Identification

(ii) Key

(iii) Brackets

(iv) All of these

(c) Which keyword is used for function in Python Language ?

(i) Function

(ii) Def

(iii) Fun

(iv) Define

(d) Which of following is the truncation division operation in Python ?

(i) /

(ii) //

(iii) |

(iv) %

(e) Which of following function is a built in function in Python ?

(i) Factorial()

(ii) Print()

(iii) Seed()

(iv) Sqrt()

2. Fill in the blanks of the following :   1×5 = 5

(a) Python has _____ function to output data to standard output device.

(b) String is a sequence of _____.

(c) Python has many predefined function called _____ function.

(d) User defined function uses _____ keyword.

(e) _____ is an ordered collection of item.

Group – B

(Short-answer Type Questions)

3. Answer any **four** questions of the following :

    3×4 = 12

(a) What are Python Modules ?

(b) Differentiate between lists and tuples.

(c) What are key features of Python ?

(d) What are Local Variable and Global Variable in Python ?

(e) Write a program in Python to find the factorial of number n.

(f) Write a program in Python to find the first 'n' number in fibonacci series.

Group – C

(Long-answer Type Questions)

3. Answer any **four** questions of the following :

$$7 \times 4 = 28$$

(a) Write a program in Python to check whether an integer is Armstrong number or not.

(b) Write a program in Python to check given number is Prime or not.

(c) Write a program in Python to check whether a number is Palindrome or not.

(d) Write a program in Python to find middle element of a linked list in single pass.

(e) Explain the types of Errors in Python.

(f) What is encryption and decryption with example ?

———— ❖ ————