This question paper contains **2** printed pages]

AA—15—2019

FACULTY OF COMPUTER STUDIES (SCIENCE)

B.Sc. (Third Year) (Fifth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2019

(CBCS Pattern)

COMPUTER SCIENCE

(S5.CC.2)

(Python Programming)

(Monday, 14-10-2019)   **Time : 10.00 a.m. to 1.00 p.m.**

Time—3 Hours   *Maximum Marks—75*

N.B. :— (*i*)   *All* questions are compulsory.

  (*ii*)   Figures to the right indicate full marks.

  (*iii*)   Assume suitable data, if required.

  (*iv*)   Use of any electronic media such as mobile phone, digital diary and electronic calculator is not permitted.

1. Attempt any *five* of the following :   3×5=15

  (*a*)   Explain introduction for python.

  (*b*)   Explain strings and strings operation.

  (*c*)   Define function with example.

  (*d*)   Explain exception raising.

  (*e*)   How to write a hello world program in pythons.

  (*f*)   What is use of MYSQL connector ?

  (*g*)   Explain data types in python.

2. Attempt any *two* of the following :   5×2=10

  (*a*)   Explain interpreter python in detail.

  (*b*)   Write down the steps for installation of pythons.

  (*c*)   Explain features of python.

P.T.O.

3. Answer any *two* of the following : 5×2=10

    (*a*) Explain operators with example.

    (*b*) Explain control statement with example.

    (*c*) Write a program to print factorial of given numbers.

4. Attempt any *two* of the following : 5×2=10

    (*a*) Explain steps for creating package and importing packages.

    (*b*) Explain function and arguments in detail.

    (*c*) Write a program to read employee data as Eno., Ename, Esalary, Eaddress and print that data.

5. Attempt any *two* of the following : 5×2=10

    (*a*) Explain exception handling.

    (*b*) Write down how to handle exception in python program.

    (*c*) Explain error processing.

6. Attempt any *two* of the following : 5×2=10

    (*a*) Explain programming types in python.

    (*b*) Explain polymorphism in python.

    (*c*) Explain inheritance in python.

7. Attempt any *two* of the following : 5×2=10

    (*a*) Write down steps for connecting database.

    (*b*) Write a program to connect with oracle database.

    (*c*) Explain the concept of networking in python.