DG-3204
Third Year B. Sc. (Sem. V) Examination
March / April - 2016
Python Programming & Computer Interfacing
(Generic Elective for Electronics)

Time : 2 Hours] [Total Marks : 50

Instruction :

Seat No.:

1. Write very short answers :

(1) What is UBUNTU LINUX?

(2) What is the difference between a compiler and interpreter?

(3) How are individual elements of a string accessed?

(4) Compare the results of 5/2 and 5.0/2

2. (A) What is interpreter? Discuss the most important features of python and its advantages.

(B) If s = 'Digital India' slice it to :
   a) Remove last two elements.
   b) Remove the first two elements.

   OR

2. (A) Discuss the python operators and their precedence of operation.

   (B) Write a program to calculate the volume of a sphere.

3. (A) Discuss the input and raw_input statements of python.

   (B) Write a python code to print the multiplication table of 9.

   OR

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[Contd...]
3. (A) Discuss the for loop of python.  
   (B) Write a program to enter a list containing 10 elements using for loop.

4. Short notes: (any two)  
   (1) While loop  
   (2) Digital input function of the phoenix library  
   (3) If, elif and else statements  
   (4) Functions in python.