



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 :

नीचे दर्शाविए निशानवाणी विगतो उत्तरवही पर अवश्य कप्रवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
← T.Y. B.SC. (SEM. 5)	<input type="text"/>
Name of the Subject :	<input type="text"/>
← PYTHON PROGRAMMING & COMPUTER INTERFACING	<input type="text"/>
← Subject Code No. : <input type="text"/> 3 <input type="text"/> 2 <input type="text"/> 0 <input type="text"/> 4 ← Section No. (1, 2,.....): <input type="text"/> NIL	<input type="text"/>
	Student's Signature

- 1 Write very short answers : 8
- (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. 10
- (B) If $s = \text{'Digital India'}$ slice it to : 4
- a) Remove last two elements.
 - b) Remove the first two elements.
- OR**
- 2 (A) Discuss the python operators and their precedence of operation. 10
- (B) Write a program to calculate the volume of a sphere. 4
- 3 (A) Discuss the input and raw_input statements of python. 10
- (B) Write a python code to print the multiplication table of 9. 4

OR

- 3** (A) Discuss the for loop of python. **10**
(B) Write a program to enter a list containing 10 elements using for loop. **4**
- 4** Short notes : (any two) **14**
- (1) While loop
 - (2) Digital input function of the phoenix library
 - (3) If, elif and else statements
 - (4) Functions in python.
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