



RAN-1094

Third Year B. Sc. (Electronics) Sem. V) Examination

Python Programming & Computer Interfacing

Generic elective for Electronics

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Third Year B. Sc. (Electronics) Sem. V)

Name of the Subject :

Python Programming & Computer Interfacing

Subject Code No.:

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9

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Seat No.:

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Student's Signature

- I a What are Interpreter and Compiler? [02]
- b What is Gedit? [02]
- c What do you understand by Live boot? [02]
- d What is a Source code? [02]
- II a What is Command line to view the permission to read only, write and execute. Explain the command in detail. [07]
- b Explain function “while”, with suitable Example. [04]
- c What is Mutable and Immutable data type? [03]

OR

- a What is the significance in writing programmes in Machine language and High Level language for programming? [07]
- b What will be the output for the following command [04]
- ```
a = "Hello" + "World"
print a
b = Ha * 3
```

```
print b
Print a[-1] +b[0]
```

c Explain the function Range with suitable example. [03]

**III** a Explain 'If, ' else' and 'elif' condition execution statement [07]

b Why Python programming? [04]

c What is Python? [03]

**OR**

a What do you understand by Scope? Give its type and explain them. [07]

b Write a program Perfect cube up to 2000. [04]

c What is Slicing? How 'LO', 'WORLD ' and 'HELLO' can be extracted from 'HELLO WORLD' string? [03]

**IV** **Any two** [14]

a Types of Operating System

b Installation of Ubuntu

c Significance of Ubuntu

d Block diagram of Computer Hardware

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