

(b) Show how try...except blocks is used for exception handling in Python with example. (5)

(c) What Is the Purpose of the Pass Statement? Illustrate with example. (5)

[This question paper contains 8 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1115 **D**

Unique Paper Code : 6202451101

Name of the Paper : Programming using Python

Name of the Course : **B.Voc.**

Semester : I

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **total 4** questions.
3. Q1 is compulsory to attend.
4. Rest, Attempt any 3 questions more.

(15 × 4 = 60)

1. (a) Name the Python Library modules which need to be imported to invoke the following functions:

(i) load()

(ii) pow() (2)

(b) Out of the following, find those identifiers, which cannot be used for naming Variables or functions in a Python program:

Total * Tax, While, Class, Switch, 3rd Row, finally,
Column 31, Total. (2)

(c) Name the function/method required for:

(i) Finding second occurrence of m in madam.

(ii) get the position of an item in the list. (2)

(d) Which string method is used to implement the following:

(i) To count the number of characters in the string.

(ii) list1.append (5)

(iii) list1.addLast (5)

(iv) list1.addEnd (5)

(b) Short notes: (2.5*2=5)

(1) What is comment in python programming?
Explain with example.

(2) Explain break and continue statements when do we use it?

5. (a) Explain the concepts of OOPs(4 pillars) in python with help of code snippets for each.

(2.5*4=10)

(b) Describe any five methods of lists in Python

(5)

6. (a) Illustrate the use of method overriding? Explain with example.

(5)

- (i) mkdir()
 - (ii) stop()
 - (iii) getcwd()
 - (iv) rmdir()
- (3) Which of these is not a core data type?
- (i) List
 - (ii) Dictionary
 - (iii) Tuple
 - (iv) Class
- (4) Python is _____ language.
- (i) Compiled
 - (ii) Procedure
 - (iii) Interpreted
 - (iv) Non-Interactive
- (5) To add a new element to the list, we use which command?
- (i) list1.add (5)

- (ii) To change the first character of the string in capital letter. (2)
- (e) Rewrite the following for loop into while loop: for a in range(90, 9, -9):
- print a (2)
- (f) What would be the output of the following code snippets?
- ```
print 4+9
print "4+9"
```
- (2)
- (g) Fill in the blanks: (3)
- (i) Act of representing essential features without background detail is called \_\_\_\_\_.
  - (ii) Wrapping up of data and associated functions into a single unit is called \_\_\_\_\_.
  - (iii) \_\_\_\_\_ is called the instance of a class.

2. (a) Differentiate between **any 3** of the following:

(4\*3=12)

(i) round() and floor() functions

(ii) input() and raw\_input()

(iii) append() and extend() on Lists

(iv) local and global variables

(v) static and dynamic binding

(b) What is PIP .Write the commands used with PIP to install, uninstall and list all the packages installed inside the system . (3)

3. (a) Write the output from the following codes:

```
(i)
n = 50
i = 5
s = 0
while i < n:
 s += i
 i += 10
 print "i=", i
print "sum=", s
```

```
(ii)
t=tuple()
t = t + ('Python',)
print t
print len(t)
t1=(10,20,30)
print len(t1)
```

(6+4=10)

(b) Write a program to calculate the roots of a quadratic equation . (5)

4. (a) Multiple Choice Questions. (5\*2=10)

(1) Which function is used to close the file?

(i) close()

(ii) stop()

(iii) closefile()

(iv) end

(2) The \_\_\_\_\_ method is used to display current working directory.

P.T.O.