Code : 303105

BCA 1st Semester Exam., 2013

PYTHON PROGRAMMING

Time : 3 hours   Full Marks : 60

Instructions :

(i) *The marks are indicated in the right-hand margin.*

(ii) *There are **SEVEN** questions in this paper.*

(iii) *Attempt **FIVE** questions in all.*

(iv) *Question Nos. **1** and **2** are compulsory.*

1. Answer any *six* of the following objective-type questions :   2×6=12

  (a) In Python, which of the following functions is used to access the type of a variable?

    (i) Type

    (ii) Input

    (iii) Print

    (iv) Put

---

(2)

  (b) Which of the following is the special kind of tuple in Python language?

    (i) Variable

    (ii) Constant

    (iii) String

    (iv) Data

  (c) Which of the following signs is used to start a comment in Python language?

    (i) $

    (ii) #

    (iii) %

    (iv) &

  (d) Which of the following statements is used for decision-making?

    (i) If

    (ii) If else

    (iii) If else if

    (iv) For

  (e) Which of the following numerical types is not supported by Python?

    (i) int

    (ii) long

    (iii) float

    (iv) complicated

(f) Which of the following is used to format a value as string?

(i) %f

(ii) %s

(iii) %d

(iv) %x

(g) Which of the following is used to get the number of items in a list?

(i) len()

(ii) min()

(iii) max()

(iv) 1stl()

(h) Which of the following file modes is used to Read/Write mode?

(i) 'r'

(ii) '+'

(iii) 'w'

(iv) 'b'

(i) Which of the following is not the common method of list?

(i) append

(ii) extend

(iii) index

(iv) All of the above

(j) Python supports database.

(i) Yes

(ii) No

(iii) May be possible

(iv) None of the above

2. Answer any *three* of the following short answer-type questions : $4 \times 3 = 12$

(a) What would be the output from the following Python code segment?

```
x=10
while x>5:
    print x,
    x -=1
```

(b) Change the following Python code from a For loop to a While loop

```
for i in range(1, 50):
    print i,
```

(c) Why is it called Python?

(d) What is class?

(e) What is call function?

akubihar.com

Answer any *three* of the following questions :

$$12 \times 3 = 36$$

3. Discuss some important features of Python programming language.

4. What is string? Give some string manipulation methods.

5. What is exception? How is handling an exception done?

6. Illustrate module with an example. How is locating module done?

7. What is thread? Discuss some threading modules.

★ ★ ★