Seat No:_____   Enrollment No:_____

PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
BCA/IMCA Summer 2017 – 18 Examination

Semester: 2   Date: 24- 05-2018
Subject Code: 05101155 / 05301155   Time: 10:30AM to 01:00PM
Subject Name: Python Programming   Total Marks: 60

Instructions:
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 A. Answer the followings.   (05)

    1. Explain the disadvantage of high level Languages.

    2. Explain how we call the function with suitable example.

    3. What is List slices? Explain with one example.

    4. How to import math module using from

    5. Use of In operator in string.

Q.1 B. Multiple choice type questions   (10)

    1) Python is _____ language.
        a) Low level Language   b) High Level Language
        c) Machine Level Language   d) all three.
    2) When you create a variable inside a function, it is _____ variable.
        a) global   b) local
        c) void   d) empty
    3) _____ is used to give comment.
        A) #   b) &   c) """ """   d) /* */
    4) Which statement is used when you do not want any code to execute?
        a)   Break   b) Go to
        c) Pass   d) None of above
    5) What is the output when following string statement is executed?
        >>>"python" [:2]
        a) thon   b) py
        c) pyt   d) pyth
    6) What is the output when we execute list('hello')?
        a) ['h', 'e', 'l', 'l', 'o'].   b) ['hello'].
        c) ['llo'].   d) ['olleh'].
    7) Suppose list1 is [2, 33, 222, 14, 25], What is list1[-1] ?
        a) Error   b) None
        c) 25   d) 2
    8) Operators with the same precedence are evaluated in which manner?
        a) Left to Right   b) Right to Left
        c) Cant say   d) None of the mentioned
    9) What is the output of this expression, 3*1**3?
        a) 27   b) 9
        c) 3   d) 1
    10) A=10 B=3 c=A%B c=?
        a) 1   b) 3
        c) 2   d) None of the mentioned

Q.2 Answer the followings. (Any Five)   (15)

    1. Explain method used in List.

    2. What is Modulus Operator and Boolean Expression with example.

3. What is Interpreter? Explain the Use of Interpreter in Python Programming.

4. Justify the statement "Strings are immutable". And "list is mutable"

5. What is recursive function? Write a program to print factorial of number using recursive function.

6. What is type Conversion in function? explain with example

Q.3 Answer the following. (Any three) **(15)**

1. What is debugging? Explain types of error with example.

2. Explain Order of Evaluating an expression using precedence. Give example.
    a = 20, b = 10, c = 15, d = 5
    i)   e = (a + b) * c / d   ii) e = ((a + b) * c) / d
    iii) e = (a + b) * (c / d);   iv) e = a + (b * c) / d;

3. What is List? Explain all the way to delete the Element from the List with example.

4. What is nested condition? Write a program to check weather a number is positive, negative or zero using nested condition.

Q.4 Answer the following.

A. What is Chained execution? Write syntax and draw flow chart with example. **(05)**

B. 1) Draw a stack diagram for given code. **(05)**
```
def print_twice(bruce):
print bruce
print bruce

def cat_twice(part1, part2):
cat = part1 + part2
    print_twice(cat)

line1 = 'Bing tiddle '
line2 = 'tiddle bang.'
cat_twice(line1, line2)
```
(05)
2) What is string? Explain at least 4 methods of string.

OR

B. 1) Compare list and string. How to convert list to string and string to list. And use of delimiter in list with example. **(05)**
2) Write a program to make calculator using function. **(05)**