Note : 1) All Questions are compulsory.
        2) Figures to right indicate marks.

Q.1   **A) Attempt All (Each of 5 marks)**   (15)
Multiple choice Questions

1) =,+, =, - = Operators _____.   (05)
a) Logical   b) Assignment   c) Bitwise   d) Arithmetic

2) Object & class comes in programming _____.
a) Function   b) object oriented   c) Variable   d) List

3) IDLE in python stands for _____.
a) integral design language environment   b) internet development & Learning environment
c) integrated design environment   d) integrated development environment

4) What is GUI _____.
a) Graphical uses interface   b) Graphics uses interface
c) Graph uses interface   d) Graphical using interface

5) What is "Hello" replace" ("l", "e")
a) Heeco   b) Heleo   c) Hillo   d) None of these

B) Fill in the blanks
(lambda, *, - break, variable, List, keyword, Dictionary, def continue, uses defined)

i) Anonymous functions are defined by keyword _____.   (05)
ii) _____ cannot be used as variable name.
iii) _____ is an unordered collection of key value parir.
iv) _____ operator cannot be used with string in python.
v) _____ Statement moves the program control to the top of the loop.

C. Write Answers for the following in few liner.   (05)
1) What is operator?
2) What is comment with example.
3) Syntax of for loop.
4) Explain the use of break Statement.
5) Write the use of def statement.

Q.2.   **Answer the following (Any three)**   (15)
1) Explain Arithmetic, Logical & Assignment operators with example.
2) Write a note on details of simple statement.
3) How to add, update and delete elements in a list.
4) Write a python program to convert temperature in Celsius to Fahrenheit.
5) Python program to find the area of triangle.

Q.3.   **Answer the following (Any three)**   (15)
1) Explain function with syntax. & Example.
2) Write a note on range () with example
3) How do we implement if, elif, else condition? explain with an example.
4) Write a note on – nested loop with example
5) What is Recursive function in python explain it example.

Q.4.   **Answer the following (Any three)**   (15)
1) What is object oriented programming gives a example of class & object.

2) What is string, explain five methods of string with example.

3) Write a python program to find the factorial of a numbers provided by the user.

4) Explain how to access, delete & update elements you a dictionary in python.

5) Write a python program to check if number is positive negative or zero

Q.5.   **Attempt the following (Any Three)**   (15)
1) Write a note on methods of lists.
2) Explain features of object oriented programming languages.
3) What is the difference between simple & compound statements?
4) Write note on methods of Dictionaries.
5) Write a python program to display the power of 2 using anonymous function.