NOTE: 1. Figure should be neat and labelled
      2. All questions are compulsory
      3. Right side indicates marks

1. Answer the following(Attempt any four)   [20 marks]
   a. Explain programming language paradigms.
   b. Write an algorithm and draw a flowchart to find simple interest.
   c. Describe translator and its types.
   d. What are different data types in python.
   e. Explain relational, arithmetic, logical, assignment operators in detail.
   f. Write a program to calculate perimeter and area of rectangle in python.
   g. Write any 5 built-in functions in python with syntax and example.
   h. Describe various structure of a program in detail.

2. Answer the following(Attempt any four)   [20 marks]
   a. Write a program to display an item list at index value 2 and delete that item.
   b. Write a program to swap items in two list.
   c. Explain isalnum( ),istitle( ),replace( )with examples.
   d. Describe break and continue statement using program.
   e. Explain basic syntax of for loop with an example.
   f. Describe nested if statement with an example.
   g. Write while loop with an example.
   h. Write a program to show if-else statement.

3. Answer the following(Attempt any four)   [20 marks]
   a. Show difference between local and global variable using program.
   b. Describe anonymous function in python.
   c. Write a function to calculate area of triangle and call the function.
   d. Create grocery module and import that module in the program.
   e. How to merge two dictionaries.
   f. Explain key value pair in a dictionary with example.
   g. Explain time module in python.
   h. Explain function with keyword arguments.