GE 8151 PROBLEM SOLVING AND PYTHON PROGRAMMING

Important 2mark questions

Unit I

1. What is an algorithm?
2. Distinguish between algorithm and program.
3. Write an algorithm to find the minimum number in a given list of numbers.
4. List the symbols used in drawing the flowchart.
5. Give the Python code to find the minimum among the list of 10 numbers.

Unit II

1. Name the four types of scalar objects Python has.
2. What is a tuple? How literals of type tuple are written? Give example.
3. What are keywords? Give examples.
4. State the reasons to divide programs into functions.
5. List the symbols used in drawing the flowchart.

Unit III

1. Write a Python program to accept two numbers, multiply them and print the result.
2. Write a Python program to accept two numbers, find the greatest and print the result.
3. Define recursion with an example.
4. Present the flow of execution for a while statement.
5. Comment with an example on the use of local and global variable with the same identifier name.

Unit IV

1. What is a list? How lists differ from tuples?
2. How to slice a list in Python?
3. Give a function that can take a value and return the first key mapping to that value in a dictionary.
4. Demonstrate with simple code to draw the histogram in python.
5. Relate strings and lists.

Unit V

1. Write a Python script to display the current date and time.
2. Write a note on modular design.
3. What is module? Give example.
4. What is command line argument?
5. Find the syntax error in the code given:
   While True print (“Hello world”)