**Question Bank**

Part - B

1. What are the components of structure oriented programming paradigm?
2. Draw a structogram for branching statement
3. Draw structograms for iterative statement with entry and also exit looping
4. What are the advantages of structure oriented programming?
5. Write a recursive method for Fibonacci series using python.
6. What are the characteristics of procedure oriented programming
7. Characteristics of Object Oriented Programming
8. Differentiate list and dictionary
9. Explain the global and local variable with suitable example

Part – C

1. What are the features of object oriented programming? Explain each with suitable example.
2. Explain Böhm-Jacopini model by taking three different programs and draw its equivalent Nassi–Shneiderman diagram
3. Write a program for Reverse a given number and return true if it is the same as the original number using three programming paradigm i.e. structure, procedural and object oriented programming
4. Write a program that reads an integer and displays all its smallest factors, also known as prime factors. For example, if the input integer is 120, the output should be as follows: 2, 2, 2, 3, 5 using structure oriented and object oriented programming paradigm
5. Write short notes on i. range, ii. Pass, iii. Lambda, iv. global
6. Explain in detail about constructor and destructor in oop