

# GIIT PROFESSIONAL COLLEGE

(Affiliated to KOLHAN UNIVERSITY, Chaibasa)

**Question Bank**

Course : **BSc. IT – 1<sup>st</sup> Year**

Subject Code : **IT01A GROUP A**

Subject : **DATA STRUCTURE USING C**

**All questions carry equal marks.**

## DATA STRUCTURE USING C

1. What is data structure?
2. What is a linked list?
3. How do you reference all the elements in a one-dimension array?
4. In what areas do data structures applied?
5. What is LIFO?
6. What is a queue?
7. What are binary trees?
8. Which data structures are applied when dealing with a recursive function?
9. What is a stack?
10. Explain Binary Search Tree
11. What are multidimensional arrays?
12. How does dynamic memory allocation help in managing data?
13. What is FIFO?
14. What is an ordered list?
15. What is merge sort?
16. Differentiate NULL and VOID.
17. What is the primary advantage of a linked list?
18. What is the difference between a PUSH and a POP?
19. What is a linear search?
20. How does variable declaration affect memory allocation?
21. What is a postfix expression?
22. What is Data abstraction?
23. What are dynamic data structures?
24. In what data structures are pointers applied?
25. Differentiate Stack from Array.
26. What is a dequeue?
27. What is a graph?
28. Differentiate linear from nonlinear data structure.
29. What is an AVL tree?
30. What are doubly linked lists?