COL 106 Resources to Use:

1. Tme Complexity:
    1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount
2. Pointers and References:
    1. Practice :)
3. Linked List and Variations :
    1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount
    2. LeetCode Problems
    3. List Reversal Problems
4. Stack,Queue:
    1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount
    2. Stack using Queues and vice versa
    3. LeetCode Problems(Must do)
    4. Codeforces
5. Hashing,Dictionaries:
    1. Collision Resolution techniques
    2. Comparison between various data structures used
6. Sorting Algorithms:
    1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount
    2. CP Handbook (Can be found on ANCC Website)
    3. LeetCode problems
7. Memory Management and Good Coding Practices:
    1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount (chapter dedicated to it)
    2. Master Slave Technique to avoid data leak and double delete errors
    3. Learn to use gdb/lldb
8. Trees,Tree Traversals,Topological Sorting:
    1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount
    2. CP Handbook
    3. LeetCode Problems
    4. TopoSort: Wikipedia
    5. CSES
9. BST,AVL, 2-4 Tree, Red Black Tree:
    1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount (Best)
    2. Youtube (:))
    3. CSES
10. Priority Heap, Binary Heap/Queue, Fibonacci Heap:

    1. Priority Heap:Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount
    2. Binary Heap/Queue: 2 PDFs in the Repo and individually sufficient and well explained
    3. Fibonacci Heap: https://www.youtube.com/watch?v=6JxvKfSV9Ns + PDF in the Repo(Read after watching the video)
11. SCC, Tarjans Algorithm, Kosaraju Algorithm:
    1. Tarjans:Wikipedia, GFGs
    2. Kosaraju: CP Handbook
    3. LeetCode Problems
    4. CSES
12. Shortest Distance Problem, Dijkstra, Bellman Form, Floyd Warshall:
    1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount
    2. CP Handbook
    3. LeetCode Problems
    4. CSES
    5. Project Euler
13. MST, Prims, Kruskals:
    1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount
    2. CP Handbook
    3. LeetCode Problems
    4. CSES
    5. Project Euler
14. Miscellaneous Data Structures:
    1. Union Find:
        1. CP Handbook
        2. LeetCode Problems
        3. CodeForces
    2. Trie:
        1. Data Structures and Algorithms in C++ 2e By Michael Goodrich, Roberto Tamassia and David Mount
        2. LeetCode
        3. CSES
        4. Project Euler
    3. Segment Tree:
        1. CP Handbook
        2. CP Algorithms(Best)
        3. CSES
        4. Project Euler

Note:- Many of the topic have few resources worth reading in the repository which are not mentioned above.

Other Resources:

1. Algorithms For Competitive Programming
2. Algorithms in C++: Robert Sidgewick
3. Guide to Competitive Programming: Antti Laaksonen
4. YouTube :)

Most of the mentioned texts can be found in the repository