

## Question Paper

1. Explain the working of a priority queue with an example.
2. Describe the differences between IPv4 and IPv6.
3. What are the use cases of a NoSQL database?
4. Explain the concept of divide and conquer with an example.
5. Describe the working of a red-black tree.
6. What are the key differences between SSH and Telnet?
7. Explain how memory management works in C++.
8. Describe the role of primary keys in a database.
9. What is the significance of space complexity analysis?
10. Explain the concept of deadlock in operating systems.
11. Describe the working of a doubly linked list.
12. What are the differences between digital signatures and message authentication codes?
13. Explain the use of backtracking with an example.
14. What are the key differences between functional and imperative programming?
15. Describe the various types of reinforcement learning techniques.