Question Paper

1. What is the significance of data structures in programming?

2. Explain the concept of Object-Oriented Programming with examples.

3. What are the key differences between HTTP and HTTPS?

4. Describe the working of a relational database management system.

5. What are the different types of machine learning?

6. What is the difference between NoSQL and SQL databases?

7. How does a load balancer improve server performance?

8. Explain the concept of artificial intelligence.

9. Describe the differences between procedural and functional programming.

10. What are the different types of cybersecurity threats?

11. What is the role of DevOps in software development?

12. Explain the concept of dynamic and static typing in programming.

13. How does a hashing algorithm work?

14. What is the role of metadata in databases?

15. Describe the importance of UX/UI design in software development.