**Real Test-1**

**1. What is a computer network?**  
○ Conveys data  
○ Manages software  
○ Creates graphics  
○ Performs calculations

**2. Which component connects devices within a short range?**  
○ Router  
○ Modem  
○ Switch  
○ Firewall

**3. What does IP stand for?**  
○ Internet Protocol  
○ Integrated Programming  
○ Intelligent Processor  
○ Intranet Port

**4. Which layer ensures data delivery between two devices on a network?**  
○ Application Layer  
○ Transport Layer  
○ Network Layer  
○ Data Link Layer

**5. What is socket programming used for?**  
○ Cooking recipes  
○ Creating GUI  
○ Network communication  
○ File storage

**6. What is a LAN?**  
○ Local Area Network  
○ Long Array Node  
○ Large Access Network  
○ Low-level Adapter Node

**7. What does an IP address uniquely identify on a network?**  
○ Device  
○ Cable  
○ Router  
○ Website

**8. Which protocol is used for email communication?**  
○ TCP  
○ SMTP  
○ HTTP  
○ FTP

**9. What is the role of a switch in a network?**  
○ Connects networks  
○ Filters and forwards data  
○ Manages software  
○ Provides internet

**10. Which layer handles logical addressing and routing?**  
○ Network Layer  
○ Physical Layer  
○ Data Link Layer  
○ Transport Layer

**11. What is the function of a router?**  
○ Provides internet  
○ Connects devices within LAN  
○ Forwards data between networks  
○ Processes emails

**12. What is a port number in networking?**  
○ Physical location  
○ Software application’s endpoint  
○ IP address  
○ Domain name

**13. Which layer ensures data is properly formatted for transmission?**  
○ Presentation Layer  
○ Transport Layer  
○ Application Layer  
○ Data Link Layer

**14. What is the purpose of subnetting?**  
○ Reducing network load  
○ Increasing latency  
○ Adding more devices  
○ Dividing a network into smaller segments

**15. Which protocol is used for web browsing?**  
○ HTTPS  
○ FTP  
○ SNMP  
○ SMTP