1. **Define File Transfer Protocol (FTP) and explain its client-server architecture.**

   *(Include description of control and data connections, and real-world usage examples.)*

2. **Explain the concept of 'Anonymous FTP' with suitable examples.**

   *(Highlight its purpose, how users log in, and where it's commonly used.)*

3. **Describe the main features of FTP related to data representation and transmission modes.**

   *(Mention file types, transmission methods like stream, block, and compressed.)*

4. **Compare and contrast the Control Connection and Data Connection used in FTP.**

   *(Structure, purpose, ports used, and how they operate during a session.)*

5. **Explain the three FTP data structures with appropriate examples.**

   *(File, Record, and Page structure with use cases for each.)*

6. **Describe a complete FTP session including all major command interactions between client and server.**

   *(USER, PASS, LIST, RETR, PORT, QUIT commands, and relevant response codes.)*

7. **Discuss the advantages and disadvantages of FTP in modern networking.**

   *(Efficiency, transfer capabilities vs. security issues and mobile limitations.)*

8. **With a diagram, explain the FTP model including the roles of ports 20 and 21. Also, describe the client and server components.**

*(Include UI, control process, data transfer process, and how connections are maintained.)*

9. **Critically evaluate the security vulnerabilities of FTP and how they are exploited in attacks. Suggest alternatives or improvements.**

   *(Bounce attack, spoofing, packet sniffing; suggest SFTP or FTPS with justification.)*

10. **Differentiate between FTP, TFTP, and SFTP in terms of functionality, security, and use cases. Provide practical scenarios where each protocol would be preferred.**

    *(Address authentication, encryption, reliability, and real-world applications like firmware updates or secure file transfers.)*