Important Questions for Viva Examination
Subject: Internet Technologies

Q1. What is NAT?

Q2. How it works.

Q3. What is a private network?

Q4. What is a public network? How are they mapped?

Q5. Different types and classes of IP addresses.

Q6. What is Subnet Masking, how does it work, and what is its use of it?

Q7. What is the internet, intranet and extranet?

Q8. What is routing, which layers are responsible for it, what is its type, static and dynamic, and how it works?

Q9. What does DNS stand for, what is it, how does it work, how is it important, and can we operate a website without DNS?

Q10. Any 5 networking tools.

Q11. what does ipconfig do?

Q12. What is the ping command, why do we use it, how does it work, and which protocol does the ping command uses belongs to the network layer?

Q13. what does netstat do, how it works, and what is its use of it?

Q14. What does tracert do, how does it work, and what is its use?

Q15. What is HTTP, how does it work, and at which layer?

Q16. What is a lightweight protocol? Give an example.

Q17. What is HTTPS, how does it work, and which layer does it work?

Q18. What is SSL, and how it works?

Q19. What is FTP, how it works, which layer it works, and how much is it important?

Q20. What is a session, its use, and how can we implement it?

Q21. What is the use of SMTP and POP3 protocols, at which port do they work, and how do they work?

Q22. What is VoIP, how does it work, and what are its applications of it?

Q23. What is a web server? how the client-server model works, and the Steps to host a website and manage the website.

Q24. What is the difference between static and dynamic websites? Explain with an example.

Q25. What is the difference between client-side and server-side technologies? Explain with an example.

Q26. What are hybrid technologies? Explain with an example.

Q27. What is Proxy Server, how it works, and where is it used?

Q28. Type of Proxies, setting up and managing a proxy server.

Q29. How do web applications differ from mobile applications? Which technology do you know is used for mobile applications, explain.

Q30. What are forums and blogging, and how do they differ?

Q31. What is a responsive website? Explain with an example.

Q32. What is the use of JavaScript? Explain any 3 applications of JavaScript used on the client machine.

Q33. What is the use of jQuery, and how it works? Explain with an example.

Q34. What is JSON (JavaScript Object Notation), what is its use, and what are the key-value pairs? What kind of data structure does it support?