

Unit Test | Networking

1-14 | Fill in the blank

1. _____ are small chunks of information sent on the internet.
2. The _____ provides reliable, ordered, and error-checked delivery of a stream of packets on the internet.
3. _____ is the service that translates URLs to IP addresses.
4. _____ is a protocol used for transmitting web pages over the Internet.
5. A(n) _____ is a number assigned to any device that is connected to the Internet.
6. A(n) _____ is an easy-to-remember identifier for calling a web page (like mrhareisawesome.com).
7. A(n) _____ is a set of rules governing the exchange or transmission of data between devices.
8. _____ is the universally recognized raw text format that any computer can understand where every letter, number, and symbol is represented by 7 bits.
9. _____ is the transmission capacity measured by bit rate.
10. A(n) _____ is the single unit of information in a computer, typically represented as a 0 or 1.
11. _____ is the number of bits that are conveyed or processed per unit of time (e.g. 8 bits/sec).
12. _____ is the time it takes for a bit to travel from its sender to its receiver.
13. The _____ is the unique identifier set at the hardware level (NIC).
14. The _____ was the first network to use TCP/IP.

15-21 | Select electricity, light, or radio waves.

15. Fiber optic cables deep under the oceans send data by using _____.
16. Cat 5/6 cables send data using _____.
17. Wi-Fi sends data using _____.
18. Telephone wires send data using _____.
19. _____ is best used to send data over long distances.
20. Your mobile devices send data using _____.
21. _____ cannot be disturbed by magnetic pulses.

22-31 | True or False:

22. All data sent over the internet is lossy.
23. TCP is considered reliable.
24. URL stands for Universal Record Locator.
25. 34DE:4512::BB1E:G4C1 is a valid IP address.
26. 168.260.1.45 is a valid IP address.
27. The Internet is fault tolerant.
28. Modem stands for **Model Emulator**.
29. 4.3.2.1 is a valid IP address.
30. UDP Packets are better for playing online games.
31. TCP Packets is better for banking transactions.

32-40 | Label Each Step:

