Telecommunications Basics

Telecommunications · Practice Test · 25 Questions

1. What is the primary function of a communication satellite?

A) To produce electricity
B) To orbit the moon
C) To relay signals between points on Earth
D) To clean space debris

2. Which component of a telephone converts sound waves into electrical signals?

A) Microphone
B) Speaker
C) Battery
D) Screen

3. What type of signal does a fiber optic cable transmit?

A) Sound waves
B) Light pulses
C) Radio waves
D) Magnetic fields

4. Who is credited with inventing the telephone in 1876?

A) Thomas Edison
B) Nikola Tesla
C) Alexander Graham Bell
D) Guglielmo Marconi

5. What does the acronym 'Wi-Fi' stand for in networking?

A) Wireless Fidelity
B) Wide Frequency
C) Web Interface
D) Wireless Field

6. Which of these devices is used to receive television broadcasts?

A) Antenna
B) Modem
C) Projector
D) Generator

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7. In telecommunications, what is a 'band' or 'bandwidth'?

A) The price of a phone
B) The amount of data that can be sent over a connection
C) The length of a wire
D) The weight of a satellite

8. Which technology allows mobile phones to connect to the internet?

A) Cellular networks
B) Steam power
C) Mechanical gears
D) Paper mail

9. What is the main purpose of a modem?

A) To store photos
B) To convert signals between digital and analog forms
C) To provide power to a computer
D) To cool down a server

10. Which of these is a form of wireless communication?

A) Copper wires
B) Fiber optics
C) Bluetooth
D) Ethernet cables

11. What is the 'Internet'?

A) A single large computer
B) A global network of interconnected computers
C) A type of website
D) A software program

12. What is a 'server' in a computer network?

A) A computer that provides data to other computers
B) A type of monitor
C) A piece of furniture
D) A printer

13. Which of these is an example of a communication protocol?

A) HTTP
B) Java
C) Python
D) Windows

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14. What do radio waves travel through?

A) Only water
B) Only metal wires
C) The air and space
D) Only solid ground

15. What is an email?

A) A physical letter
B) A digital message sent over a network
C) A video call
D) A voice recording

16. What is the main advantage of fiber optic cables over copper wires?

A) They are cheaper
B) They are heavier
C) They transmit data faster over longer distances
D) They require more power

17. Which invention used Morse code to send messages over wires?

A) Telegraph
B) Television
C) Smartphone
D) Radio

18. What is a 'network' in telecommunications?

A) A group of connected devices
B) A type of antenna
C) A software update
D) A television channel

19. What does a GPS receiver use to determine location?

A) Radio signals from satellites
B) Phone lines
C) Underwater cables
D) The internet only

20. Which device sends a signal from your computer to the internet service provider?

A) Router
B) Hard drive
C) Mouse
D) Keyboard

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21. What is 'Bluetooth' primarily used for?

A) Connecting short-range wireless devices
B) Sending signals to the moon
C) Powering large appliances
D) Heating a room

22. What is the role of an Internet Service Provider (ISP)?

A) To build computer hardware
B) To sell computers
C) To provide access to the internet
D) To write code for websites

23. Which electromagnetic radiation is used for television and radio signals?

A) Radio waves
B) Gamma rays
C) X-rays
D) Visible light

24. What is an 'app' on a smartphone?

A) A software application
B) A hardware component
C) A battery cell
D) A charging cable

25. What does 'URL' stand for in web addresses?

A) Uniform Resource Locator
B) Universal Radio Link
C) Unique Route Location
D) United Resource List

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