

# Telecommunications Basics

Telecommunications · Practice Test · 25 Questions

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**1. Which invention by Alexander Graham Bell changed the way people talk to each other over long distances?**

- A) The lightbulb
- B) The telephone
- C) The television
- D) The typewriter

**2. What type of invisible waves do mobile phones use to send and receive information?**

- A) Sound waves
- B) Ocean waves
- C) Radio waves
- D) Heat waves

**3. What is the primary function of a satellite orbiting the Earth in telecommunications?**

- A) To take photos of the moon
- B) To act as a relay station for signals
- C) To clean space debris
- D) To control the weather

**4. What do we call the global network that connects billions of computers and devices together?**

- A) The Internet
- B) The Radio
- C) The Post Office
- D) The Telephone line

**5. Which of these devices was commonly used in the past to send typed messages across wires using codes?**

- A) A fax machine
- B) A telegraph
- C) A smartphone
- D) A record player

**6. In fiber optic technology, what is used to transmit data through thin glass strands?**

- A) Sound
- B) Electricity
- C) Light
- D) Wind

**7. Which of these is a wireless way to connect devices like headphones to a computer over a short distance?**

- A) Bluetooth
- B) A USB cable
- C) A telephone wire
- D) A satellite link

**8. What part of a mobile phone captures your voice and turns it into an electrical signal?**

- A) The screen
- B) The battery
- C) The microphone
- D) The speaker

**9. What is the main purpose of a cell tower?**

- A) To provide electricity to houses
- B) To transmit and receive mobile signals
- C) To store water
- D) To act as a lightning rod

**10. Before modern digital phones, what device did people use to send a paper document instantly over a telephone line?**

- A) A printer
- B) A scanner
- C) A fax machine
- D) A projector

**11. What do we call the address that every computer or device has on the internet to be identified?**

- A) A street address
- B) An IP address
- C) A zip code
- D) A serial number

**12. Which of these technologies allows you to have a face-to-face conversation with someone in another country?**

- A) Video calling
- B) Radio broadcast
- C) Writing a letter
- D) Reading a newspaper

**13. What material is commonly used to make the cables that carry internet data deep under the ocean?**

- A) Copper and glass
- B) Wood and plastic
- C) Rubber and steel
- D) Cloth and paper

**14. What is the term for a message sent through the postal service?**

- A) An email
- B) A text message
- C) A letter
- D) A video call

**15. Which device converts radio waves into sound so you can hear music or news broadcasts?**

- A) A microwave
- B) A radio receiver
- C) A blender
- D) A flashlight

**16. What is the purpose of an antenna on a communication device?**

- A) To keep the device cool
- B) To send or receive electromagnetic waves
- C) To protect the battery
- D) To display images

**17. What type of signal is made up of just ones and zeros, which computers use to communicate?**

- A) Analog signal
- B) Digital signal
- C) Sound signal
- D) Light signal

**18. What do we call the process of sending an email from one person to another?**

- A) Electronic mail
- B) Postal mail
- C) Physical delivery
- D) Broadcast

**19. Which invention allowed people to receive moving images and sound in their homes?**

- A) The telescope
- B) The television
- C) The compass
- D) The barometer

**20. What do we call the speed at which data travels over the internet?**

- A) Weight
- B) Bandwidth
- C) Volume
- D) Height

**21. What do you need to connect your home computer to the internet?**

- A) A router
- B) A telescope
- C) A magnifying glass
- D) A hammer

**22. Which of these is a common wireless technology used in homes to provide internet access to multiple devices?**

- A) Wi-Fi
- B) Morse code
- C) A telegraph
- D) A landline

**23. What is the function of a 'browser' on a computer or tablet?**

- A) To type documents
- B) To view websites on the internet
- C) To play video games only
- D) To take photographs

**24. Which of these sends information instantly and is often used for short, quick text communication?**

- A) A handwritten letter
- B) Instant messaging
- C) A newspaper
- D) A library book

**25. What was the main way people communicated across vast distances before electricity was used?**

- A) Using light signals or messengers
- B) Using video calls
- C) Using text messages
- D) Using the internet