

# Telecommunications Fundamentals

Telecommunications · Practice Test · 12 Questions

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**1. Who was granted the first US patent for the telephone in 1876?**

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

**2. What does the acronym 'SMS' stand for in mobile telecommunications?**

- A) Smart Messaging System
- B) Short Message Service
- C) Secure Mobile Service
- D) System Management Signal

**3. What type of cable transmits data as light pulses through glass or plastic strands?**

- A) Coaxial cable
- B) Twisted pair cable
- C) Fiber-optic cable
- D) Ribbon cable

**4. What device converts digital computer data into analog signals for transmission over telephone lines?**

- A) Router
- B) Modem
- C) Switch
- D) Repeater

**5. What is the primary emergency telephone number used in Australia?**

- A) 911
- B) 112
- C) 000
- D) 999

**6. What code system uses a series of dots and dashes to represent letters and numbers in telegraphy?**

- A) Binary code
- B) ASCII code
- C) Morse code
- D) Baudot code

**7. What does 'SIM' stand for in the context of a mobile phone SIM card?**

- A) Subscriber Identity Module
- B) System Integration Method
- C) Secure Information Memory
- D) Signal Interface Mode

**8. What does the term '5G' refer to in mobile networking?**

- A) 5 Gigabytes per second
- B) Fifth Generation
- C) 5 GHz frequency
- D) 5 Group channels

**9. What unit is used to measure the frequency of radio waves, representing one cycle per second?**

- A) Watt
- B) Volt
- C) Hertz
- D) Ohm

**10. Who successfully transmitted the first transatlantic wireless radio signal in 1901?**

- A) Alexander Graham Bell
- B) Guglielmo Marconi
- C) Heinrich Hertz
- D) Samuel Morse

**11. What does 'VoIP' stand for in telecommunications technology?**

- A) Voice over Internet Protocol
- B) Virtual Online Interface Program
- C) Variable Output Information Protocol
- D) Vector Oriented IP

**12. Which specialized agency of the United Nations coordinates global telecommunications operations and standards?**

- A) UNESCO
- B) International Telecommunication Union
- C) World Trade Organization
- D) International Maritime Organization