

Telecommunications Fundamentals

Telecommunications · Answer Key · 12 Questions

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