Telecommunications History

Telecommunications · Answer Key · 25 Questions

1. Which inventor is credited with receiving the first transatlantic radio signal in 1901?

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

2. In what year was the first commercial mobile phone, the Motorola DynaTAC 8000X, released to the public?

A) 1973
B) 1983
C) 1991
D) 1995

3. What was the primary medium used for the first long-distance telegraph lines in the 1840s?

A) Fiber optics
B) Copper wire
C) Satellite relay
D) Microwave links

4. Who successfully demonstrated the first public transmission of television images in 1926?

A) John Logie Baird
B) Philo Farnsworth
C) Vladimir Zworykin
D) Charles Francis Jenkins

5. The ARPANET, the precursor to the modern internet, sent its first message between UCLA and SRI in what year?

A) 1965
B) 1969
C) 1973
D) 1981

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6. Which company launched Telstar 1, the first active communications satellite, in 1962?

A) NASA
B) AT&T
C) Soviet Space Program
D) Hughes Aircraft

7. What was the name of the first undersea telegraph cable that successfully linked Europe and North America in 1866?

A) The Atlantic Cable
B) The Trans-Pacific Wire
C) The Victorian Line
D) The Global Telegraph

8. Which protocol, developed by Vint Cerf and Bob Kahn, became the standard for internet communication in 1983?

A) HTTP
B) TCP/IP
C) FTP
D) SMTP

9. Who is the inventor widely recognized for patenting the telephone in 1876?

A) Elisha Gray
B) Alexander Graham Bell
C) Antonio Meucci
D) Thomas Watson

10. What type of signal did the early telegraph system invented by Samuel Morse primarily use?

A) Voice transmission
B) Analog radio
C) Electrical pulses
D) Optical fiber

11. In 1947, which company invented the transistor, a device that revolutionized telecommunications hardware?

A) Bell Labs
B) IBM
C) General Electric
D) Westinghouse

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12. The 'World Wide Web' was invented by Tim Berners-Lee while he was working at which organization?

A) MIT
B) CERN
C) NASA
D) Stanford University

13. Which radio frequency range was used for the first commercial FM radio broadcasts?

A) VHF
B) UHF
C) LF
D) VLF

14. What was the primary function of the 'Enigma' machine used during World War II?

A) Broadcasting news
B) Encrypting communications
C) Radar detection
D) Satellite tracking

15. The first SMS (Short Message Service) message was sent in December 1992; what was the content of the message?

A) Hello World
B) Merry Christmas
C) Testing 123
D) Happy New Year

16. Which standardized protocol allowed for the development of the Global System for Mobile Communications (GSM) in the 1980s?

A) CEPT
B) ITU
C) IEEE
D) ANSI

17. What breakthrough in the 1970s allowed massive amounts of data to be sent through glass fibers?

A) Coaxial cable
B) Infrared lasers
C) Optical fiber transmission
D) Satellite uplink

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18. The first transatlantic telephone cable, TAT-1, was laid in what year?

A) 1946
B) 1956
C) 1966
D) 1976

19. Who was the first person to send a human voice over a radio wave in 1906?

A) Reginald Fessenden
B) Lee de Forest
C) David Sarnoff
D) Edwin Armstrong

20. What specific innovation allowed for the creation of the modern 'cellular' network architecture?

A) Frequency reuse
B) Higher power antennas
C) Direct satellite linking
D) Analog frequency modulation

21. The first telephone exchange opened in 1878 in which city?

A) London
B) New York
C) New Haven
D) Paris

22. Which international organization was established in 1865 to coordinate international telegraph standards?

A) International Telecommunication Union
B) United Nations
C) World Radio Committee
D) Global Telegraph Bureau

23. In 1998, which company released the first commercially successful 'smartphone' predecessor, the Nokia 9000 Communicator?

A) Nokia
B) Ericsson
C) BlackBerry
D) Apple

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24. Which of these was the first high-speed digital network technology widely used for home internet in the late 1990s?

A) Dial-up

B) ISDN

C) ADSL

D) Cable broadband

25. What was the primary limitation of early fiber-optic communication before the development of erbium-doped fiber amplifiers?

A) Signal attenuation

B) Cable weight

C) High cost of glass

D) Slow data speed

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