1. What was one of the earlier computing devices mentioned in the paragraph?

a) Transistor

b) Abacus

c) ENIAC

d) Punch Cards

Correct Answer: b) Abacus

2. Who were among the inventors experimenting with the technology of gears mentioned in the paragraph?

a) Steve Jobs and Stephen Wozniak

b) Blaise Pascal, Gottfried Wilhelm Leibniz, and Charles Babbage

c) Herman Hollerith and John Mauchly

d) George Stibitz and Howard Aiken

Correct Answer: b) Blaise Pascal, Gottfried Wilhelm Leibniz, and Charles Babbage

3. What technology did Herman Hollerith apply to speed up the tabulation process in the 1890 U.S. census?

a) Vacuum tubes

b) Transistors

c) Punch cards

d) Gears

Correct Answer: c) Punch cards

4. Which machine used electronically controlled mechanical relays and was completed at Bell Laboratories in 1940?

a) Abacus

b) Mark I

c) ENIAC

d) Transistor

Correct Answer: Mark I

5. What is the full form of ENIAC?

a) Electronic Numerical Integrator and Calculator

b) Electronic Network Integrator and Calculator

c) Electrical Numeric Integrator and Computer

d) Electronic Numeric Integrated Analysis Calculator

Correct Answer: a) Electronic Numerical Integrator and Calculator

6. How much electricity did the ENIAC consume?

a) 20 Kilowatts

b) 200 Kilowatts

c) 2 Kilowatts

d) 10 Kilowatts

Correct Answer: b) 200 Kilowatts

7. What were some of the key milestones in the rapid advancement of computing mentioned in the paragraph?

a) Abacus, Punch Cards, ENIAC

b) Transistor, Integrated Circuits, Smart Phones

c) Web, Desktop Computer, IBM PC

d) Size reduction, Processing Power doubling, Smart Phones

Correct Answer: b) Transistor, Integrated Circuits, Smart Phones

8. What is the basic unit of storage in a computer?

a) Byte

b) Bit

c) Word

d) Kilobyte

Correct Answer: b) Bit

9. How is information coded in bits?

a) Using a combination of letters and numbers

b) As patterns of 0 or 1

c) Using hexadecimal values

d) Using a combination of 1 and 2

Correct Answer: b) As patterns of 0 or 1

10. What do 1 bit units represent in a chip?

a) Electric charge

b) Magnetic fields

c) Radio waves

d) Heat energy

Correct Answer: a) Electric charge

11. How many patterns can be represented with 2 bits?

a) 2

b) 3

c) 4

d) 5

Correct Answer: c) 4

12. What did the paragraph suggest is used to represent different characters in ASCII codes?

a) Hexadecimal values

b) Decimal numbers

c) Octal values

d) Bit patterns

Correct Answer: d) Bit patterns

13. Who is George Boole, mentioned in the paragraph, known for?

a) Inventing the abacus

b) Pioneer in computer graphics

c) Pioneer in Boolean operations

d) Creating the first computer mouse

Correct Answer: c) Pioneer in Boolean operations

14. Which of the following is NOT a basic Boolean operation mentioned in the paragraph?

a) AND

b) OR

c) XOR

d) NOT

Correct Answer: b) OR

15. What does the XOR Boolean operation produce when both inputs are different?

a) 0

b) 1

c) True

d) False

Correct Answer: b) 1

16. What does the NOT operation produce when the input is 1?

a) 0

b) 1

c) True

d) False

Correct Answer: a) 0

17. Which of the following is NOT a Boolean operation mentioned in the paragraph?

a) AND

b) OR

c) XOR

d) ADD

Correct Answer: d) ADD

18. What does the AND Boolean operation produce when both inputs are 1?

a) 0

b) 1

c) True

d) False

Correct Answer: b) 1

19. How many basic Boolean operations are mentioned in the paragraph?

a) 2

b) 3

c) 4

d) 5

Correct Answer: b) 3

20. In Boolean operations, what does the bit 0 represent?

a) True

b) False

c) 1

d) -1

Correct Answer: b) False