

1. Who coined the term “bit” and what does it stand for?

Claude Shannon coined the term and it stands for binary digit.

2. What is Moore’s Law? Is it still true?

Moore’s Law states that the number of transistors that can be placed on a chip will double about every 18-24 months. This law is not holding true at the moment because technology is getting so small that the number of transistors that can fit on a chip is now limited at the atomic level.

3. Given EVEN parity and the following grid below, which bit is incorrect?

1	1	0	1	1
0	0	1	1	0
1	0	1	0	0
1	1	0	1	0
1	0	0	0	1

4. Convert decimal 53 to its binary equivalent.

110101

5. Convert binary 100111 to its decimal equivalent.

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