Quiz

Note: It is recommended that you save your response as you complete each question.

Question 1 (1 point)

What can be written as a single bit, byte, or words to a NAND flash memory cell? (Select all that apply)

☑ 0s

☐ Neither 0s or 1s

☐ 1s

[Save]

Question 2 (1 point)

If a NAND memory that has a maximum number of 10,000 erase cycles per page and has a total of 10 pages configured as follows:

4 program pages

2 data pages

4 empty pages

What is the maximum number of erase cycles could this NAND memory typically experience if there is no wear leveling?

```
20000
```

[Save]

Question 3 (1 point)

Which BLE key is used for the data signing performed at the ATT layer?

◯ STK

◉ CSRK

◯ IRK

◯ LTK

[Save]

Question 4 (1 point)

To save power, peripherals can disable responses to scan requests.

◉ True

○ False

[Save]

Question 5 (1 point)

Match the memory technology with the application

| 2 ▼ | Non-volatile program memories for micro controllers |

1. FRAM

| 1 ▼ | Data logging with limited power |

2. SRAM

| 4 ▼ | Non-volatile program memories for DSPS and Processors |

3. NOR

| 4 ▼ | Flash memories that require ECC |

4. NAND

| 3 ▼ | Flash technology that is good for fast random access |

[Save]

Question 6 (1 point)

How does the slave transmit a response more than the standard payload packet?

◉ A slave will select the More Data (MD) bit in a response packet to indicate that it will send an additional response packet to complete the extended response.

○ A slave will extend the standard payload up to 3x or 5x the standard maximum number of bits to transmit the extended response.

○ The master knows before the initial response packet is sent that more than one packet will need to be sent from the slave.

○ All slave responses by the BLE architecture are less than or equal to the standard BLE payload packet, so no messages beyond the standard payload packet will be sent.

[Save]

Question 7 (1 point)

If a NAND has a data retention rating of 50 years at 50C, to the nearest tenth of a year, what would its expected data retention be at 105C? (to 1/10th of a year)

2.2

[Save]

Question 8 (1 point)

If a NAND has a data retention rating of 20 years at 70C, to the nearest tenth of a year, what would its expected data retention be at 125C? (to 1/tenth of a year)

1.2

Save

Question 9 (1 point)

UUIDs uniquely identify Services and Characteristics on a Bluetooth Server. The full UUID is 128 bits in length. How many bytes is the short hand UUID?

○ 1 byte

○ 4 bytes

◉ 2 bytes

○ 3 bytes

Save

Question 10 (1 point)

NFC is an appropriate method of agreeing on a STK between a BLE master and slave during the pairing process.

◉ True

○ False

Save

Save All Responses   Go to Submit Quiz