Quiz

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

Question 1 (1 point) If two devices are advertising for a connection with identical advertising intervals, and their advertising overlaps each other so that the combined interference prevented either one from finding a connection, what mechanism is used minimize the chance of these two devices interfering with each other on the next advertising event? Devices when configured are set with a priority which will be used by the the devices to determine who will have access to the next advertising event Each device will randomly increase or decrease their transmit power enabling one device to potential over power the other device during the next advertising event. Each advertiser will randomly skip 0-10 advertising events to prevent a possible overlap The time interval between packets has both a fixed and random delay. Save Question 2 (1 point) If a NAND memory that has a maximum number of 15,000 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 dynamic wear leveling? 90000 abg Save

Which set of keys enable devices to bond and not require pairing when the devices reconnect?

Question 3 (1 point)

☐ TK	
□ STK	
✓ CSRK	
✓ IRK	
Passkey	
✓ LTK	
Save	
Question 4 (1 point)	(m)
In an end application, what is the main influence on NAND memory data retention? (single word answer)	
temperature	
Save	
Question 5 (1 point)	
What happens to the voltage oscillation of an inductive proximity sensor when a metallic object is near the coil?	
Enhanced	
O Stays the same	
Dampened	
Save	
Question 6 (1 point)	
FLASH single big data retentions failures are erroneous 1s?	
O True	
False	
Save	
Question 7 (1 point)	

High performance eddy-current inductive sensors are used typically in what type of applications? (select all that apply)

Proximity switches	
Position and/or change of position of a conductive target	
Benign environments	
✓ Harsh environments	
Save	
Question 8 (1 point)	<u> </u>
The BLE master coordinates the medium access between the master and the slave by providing what of the following information. Please select all that apply.	
Provides the slave the frequency hopping number	
Map of which frequency channels that will not be used	
✓ Sets the slave TX power	
Determines the instants in which the slave is required to listen	
Save	
Question 9 (1 point)	<u> </u>
Why are connections not allowed by Bluetooth Smart Beacons?	
Once a connection is established, the Beacon would stop participating in advertising events	
Beacons are assets that must be secured, and preventing connections insures their security	
Not entering a connection conserves energy for the Bluetooth Smart Beacon	
The Beacon has a reduced BLE stack to save cost and energy that prevents it from entering a connection	
Save	
Question 10 (1 point)	m
What type of failures can result in NAND logical 1 bits becoming erroneous 0s?	

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Not possible to h	nave a NAND 1 bit erroneous as a	a 0		
Leakage current				
Erase Disturb				
✓ Write Disturb				
Save				
Save All Responses	Go to Submit Quiz			