Module 19
Quiz: Bluetooth Low Energy
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Q1 Definitions
In 16 words or less, define this terms.
Part a) Profile.

Part b) Service.

Part c) Characteristic.

Q2 Definitions
In 16 words or less, define this terms.
Part a) Client.

Part b) Server.

Part c) Advertising.

Q3 Low power
Explain three mechanisms that BLE uses to operate at low power.

Q4 UART
UART is used to communicate between the CC2650 and the MSP432. The channel uses a full-duplex UART port. Can data transfer in both directions at the same time?

Q5 Physical Layer
In what form is data encoded as it travels from transmitter to receiver?

Q6 Medium
How do we classify the medium used for Bluetooth Communication? Is it unguided, lossless, or guided?

Q7 Error detection
Part a) What mechanism does the SAP-SNP protocol use to detect errors? How is the error checking generated on the transmitter?

Part b) How is the received message checked for errors?

Q8 Radio
At what frequency does the Bluetooth radio communicate?
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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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