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- Smart Watch
- Drone
- Microwave oven
- Smart phone

No, the answer is incorrect.
Score: 0

Accepted Answers:
Smart phone

2) What feature does the MSP430 NOT add to Gillette Fusion ProGlide Razor? 1 point

- It maintains the vibration level throughout the lifetime of the battery
- It helps in using a single switch for the ON/OFF feature
- It automatically orders a new razor when the lifetime of the product has expired
- It implements a timeout feature in the product

No, the answer is incorrect.
Score: 0

Accepted Answers:
It automatically orders a new razor when the lifetime of the product has expired

3) How does active noise cancellation work? 1 point

- It changes the size of the ear cup according to the noise level.
- It actively monitors the noise and produces the antiphase version of the noise.
- It actively actuates the pressure of the ear cup according to the noise level.
- It increases the audio input level according to the noise level.

No, the answer is incorrect.
Score: 0

Accepted Answers:
It actively monitors the noise and produces the antiphase version of the noise.

4) Which sensor is used in a smart watch to calculate the steps? 1 point

- Accelerometer
- Shock Sensor
- Magnetometer
- Vibration Sensor

No, the answer is incorrect.
Score: 0

Accepted Answers:
Accelerometer

5) Which of the following are the features of Microcontroller? 1 point

- CPU, Image Processor, I/O Ports, WIFI
- CPU, Memory, I/O Ports, Timer
- CPU, Memory, I/O Ports, Bluetooth

7) How does the colour mixer project produce such vibrant colours? 1 point

- It varies the current through the the LEDs using the three potentiometers
- It uses rotary encoders to measure the angles of the three knobs and controls the LEDs according to the value noted by the microcontroller
- It samples the value from the three potentiometers and controls the LED current by using PWM
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
It samples the value from the three potentiometers and controls the LED current by using PWM

8) Which of the following statements is false? 1 point

- SRAM is faster as compared to DRAM
- SRAM is less memory dense as compared to DRAM
- DRAM is faster as compared to SRAM
- DRAM requires less power than SRAM

No, the answer is incorrect.
Score: 0

Accepted Answers:
DRAM is faster as compared to SRAM

9) How can the number of bits stored in a SRAM chip be calculated? 1 point

- No. of address lines *No. of data lines
- $2^{(\text{No. of address lines})} * \text{No. of data lines}$
- No. of address lines * $2^{(\text{No. of data lines})}$
- $2^{(\text{No. of address lines} * \text{No. of data lines})}$

No, the answer is incorrect.
Score: 0

Accepted Answers:
 *$2^{(\text{No. of address lines})} * \text{No. of data lines}$*

10) What is DMA used for? 1 point

- It is used as a non volatile storage
- It is a hardware implemented function used to copy contents directly from the program memory to the RAM
- It is a hardware implemented function used to copy contents directly from/to the memory to/from the I/O ports
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
It is a hardware implemented function used to copy contents directly from/to the memory to/from the I/O ports