Unit 4 – Week 2

Assignment 2

Due 2020-09-30, 23:59 IST.

The deadline for submitting this assignment has passed.

You can see which questions have been scored and which have not.

The following questions have been scored:
1. Which of the following functions come directly not as a result from using a microcontroller?
   - Read Digital inputs
   - Measure the behavior over months
   - Make rapid
   - Run all desired system variables
   - None of the above
   - The person is incorrect
   - Score: 7 points

2. Which of the following statements is true about a digital microcontroller?
   - This is an application processor, i.e., it has a contact configured as input or output.
   - Each pin can affect multiple functions of one of which can be selected.
   - High pins can either have very little or, with a strong input of 1 or 0 in multiple functions.
   - Instead you can drive high current with very little change directly.
   - The person is incorrect
   - Score: 7 points

3. Which of the following statements is true about the digital microcontroller?
   - Calculating current is very high over 10-15 mA directly.
   - With the help of digital microcontroller, you can control a lot of other devices.
   - The person is incorrect
   - Score: 7 points

4. Which of the following statements is true about an application processor?
   - True
   - False
   - None of the above
   - The person is incorrect
   - Score: 7 points

5. Which of the following terms is used for a digital microcontroller?
   - MEM
   - RAM
   - EEPROM
   - None of the above
   - The person is incorrect
   - Score: 7 points

6. Which of the following terms is used for an application processor?
   - MEM
   - RAM
   - EEPROM
   - None of the above
   - The person is incorrect
   - Score: 7 points

7. Which of the following terms is used for a digital microcontroller?
   - I/O
   - RAM
   - EEPROM
   - None of the above
   - The person is incorrect
   - Score: 7 points

8. Which of the following terms is used for an application processor?
   - I/O
   - RAM
   - EEPROM
   - None of the above
   - The person is incorrect
   - Score: 7 points

9. Which of the following correctly represents the voltage waveforms observed at nodes A and B in the circuit shown below?
   - Voltage waveforms as shown
   - Voltage waveforms not as shown
   - None of the above
   - The person is incorrect
   - Score: 7 points

10. In the diagram below, what is the frequency of the signal generated at node 2 if the delay of an 7407 gate is 200 ns?
    - 1.5 MHz
    - 2 MHz
    - 20 MHz
    - 25 MHz
    - None of the above
    - The person is incorrect
    - Score: 7 points

11. As a CADC microcontroller is to be assigned with the only consideration that the battery should last as long as possible. Which of the following choices is the most likely cause you should choose to do it?
    - 5.5 V
    - 10 V
    - 5.0 V
    - None of the above
    - The person is incorrect
    - Score: 7 points