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Ecodesign of electronic devices

UNIT 8: Microcontroller systems part 1

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Funded by the Erasmus+ Programme of the European Union

Ecoinnovation Skills for European Designers, Project number: 562573-EPP-1-2015-1-SI-EPPKA2-SSA. Disclaimer: The European Commission support for the production of this publication does not constitute endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsi-ble for any use which may be made of the information contained therein

1.1 Quiz

- PLEASE, CHOOSE THE CORRECT ANSWER:
 - 1. Is microcontroller a computer?
 - 2. Can we use ecodesign processes in microcontroller systems?
 - 3. Does microcontroller contain peripheral units?
 - 4. Does microcontroller contain CPU?
 - 5. Is DSP intended only for signal processing?
 - 6. Is RISC structure more complex than CISC structure?
 - 7. Does Harvard architecture have a separate bus for memory and instructions?
 - 8. Is DRAM faster than SRAM?
 - 9. Is precision of AD converter given with a number of bits?
 - 10. USART is 'Half-duplex' communication?



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1.2 Assignment

Describe the difference between RISC and CISC microcontroller structure. Which dynamic memory type do personal computers use for simultaneous data storing? Why do they use this memory type?



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