Exam

Guidelines

2022

Exam Structure

- Basic questions (~35%)
- Advanced topics (~30%)
- Applications (~35%)

Exam - Basic questions

- Up to 5 simple questions
- just the things we discussed
- No very specific details
- Real basic, important knowledge
- *Examples*
  - *Harvard Architecture vs. von Neumann Architecture. Advantages, disadvantages*
  - *Status flags: purpose; explain one*

Exam - Advanced topics

- Up to 2 topics
- Short to medium questions
- *Examples*:
  - *Look up table Demo*

Exam - Application

- Analysis of a code (C)

Tools

- MPLAB X – free
- XC Compiler – free
- DemoBoard – provided
- Power Supply – provided, when needed
- [Optional] Proteus - DemoVersion

Literature

- Books do exist (a lot)
- Application Notes (strong point for Microchip)
- Forums, blogs, etc

- EDN
- IEEE Spectrum