

Rubric for Final Exam

	Underdeveloped (1-2)	Solid/Fair (3-5)	Excellent (6)
Troubleshooting	Approaches provided do not solve or help diagnose problem.	Is able to provide a list of approaches to diagnose the problem, but some of the approaches might not be helpful or related to the problem. Procedure might be unclear or missing key steps.	Observes the problem, generates list of possible causes, provides solutions and gives a clear procedure to further assess and correct the error.
Concepts and definitions of communication protocol standards	Does not fully understand concepts or cannot apply/implement circuits using different protocols.	Student can recall concepts and apply/implement circuits using different protocols, but does not justify why protocols were implemented in the way they were.	Student not only recalls the concepts, but can explain and justify the design choices made in the development of the protocols.
Understanding of maximum ratings, specifications and underlying circuitry	Cannot connect the underlying circuitry with speed, power and other specifications.	Understands the relationship underlying circuitry with speed, power and other specifications, but cannot explain the origin of the relationship.	Can explain/justify the relationship between underlying circuitry with speed, power and other specifications and provide explanation for different trade-offs.
Datasheet interpretation and application	Cannot interpret information in a datasheet and apply it to communicate with a device.	Can interpret some information in a datasheet, but unsure how to apply it.	Can interpret information in a datasheet and apply it to communicate with a device.
Programming	Cannot translate a program specification into (pseudo)code.	Can translate a program specification into (pseudo)code, but resulting code might not work properly or be robust to incorrect inputs.	Can translate a program specification into (pseudo)code and resulting code is efficient and robust to arbitrary inputs.