

Software Engineering Q/A Sheet (#2)

date:_____ number:_____ name: _____

Questions from Prof.

1. Compare sociotechnical systems to conventional technical computer-based systems.
2. Assume the difference between a hardware failure and a software failure. Note that a hardware failure is represented by a bathtub curve.
3. Discuss about failure propagation between hardware, software and operator.
4. Discuss and remember about the system engineering process and the relationships between conceptual design, procurement, development, and operation.
5. What do you think is necessary for parallel development of large systems?
6. Discuss and remember the system development process from requirement development to system deployment.
7. Discuss why procurement decisions affect system functionality, such as reliability.
8. Discuss how the various activities of the system development process affect system dependability.
9. Discuss one or more examples of the various barriers to protect human error.
10. Discuss and summary about why the evolution is costly.

Questions from your ownself

- 1.
- 2.