

CS435
Software Engineering

Quiz 1 Solutions

1. Software is a product and can be manufactured using the same technologies used for other engineering artifacts.

- a) True
- b) False

Answer: b (Section 1.1)

2. Software deteriorates rather than wears out because

- a) Software suffers from exposure to hostile environments
- b) Defects are more likely to arise after software has been used often
- c) Multiple change requests introduce errors in component interactions
- d) Software spare parts become harder to order

Answer: c (Section 1.1)

3. WebApps are a mixture of print publishing and software development, making their development outside the realm of software engineering practice.

- a) True
- b) False

Answer: b (Section 1.2)

4. Which of the items listed below is not one of the software engineering layers?

- a) Process
- b) Manufacturing
- c) Methods
- d) Tools

Answer: b (Section 1.3)

5. Software engineering umbrella activities are only applied during the initial phases of software development projects.

- a) True

b) False

Answer: b (Section 1.4)

6. Which of these are the 5 generic software engineering framework activities?

a) communication, planning, modeling, construction, deployment

b) communication, risk management, measurement, production, reviewing

c) analysis, designing, programming, debugging, maintenance

d) analysis, planning, designing, programming, testing

Answer: b (Section 1.4)

7. Planning ahead for software reuse reduces the cost and increases the value of the systems into which they are incorporated.

a) True

b) False

Answer: a (Section 1.5)

8. The essence of software engineering practice might be described as understand the problem, plan a solution, carry out the plan, and examine the result for accuracy.

a) True

b) False

Answer: a (Section 1.5)

9. In agile process models the only deliverable work product is the working program.

a) True

b) False

Answer: b (Section 1.6)

10. Most software development projects are initiated to try to meet some business need.

a) True

b) False

Answer: a (Section 1.7)