

CS 577a System Analysis III Quiz

10/2/02

For each of the questions below circle ALL CORRECT ANSWERS. (There may or may not be more than one for each question.)

1. Which of the following are true for the Product Models used during System Analysis?
 - a. All entities proposed in OCD 4.5.2 should have some representation in the Analysis Class Model.
 - b. If a capability proposed in OCD 4.3 abstracts more than one behavior (e.g. “manage documents”), then the specific behaviors should be described in the Behavior Model created System Analysis.
 - c. The Architecture Model consists of a Component Model, a Topology, and a Deployment Model.
 - d. None of the above.
2. The Analysis Class Model includes:
 - a. All classes that are to be implemented;
 - b. Objects;
 - c. The classes that define the window, screens, and forms in which representation in the user–interface (“boundary”);
 - d. The classes that define the main data elements of which the system has knowledge (“entities”);
 - e. The classes that define control elements that coordinate the entities and boundary behavior.
 - f. Components and their classifiers;
3. Which of the following are true for an MBASE Architecture Model
 - a. The Component Model describes the classes of software components and their relations.
 - b. At LCO, the Component Model should include implementation–specific technology, e.g. MySQL.
 - c. The Topology shows common layers of component classes. Communication between layers is often restricted by the architecture style.
 - d. The Deployment model shows the hardware (“node”) classifiers and their relations.
 - e. The Deployment model shows allocation of components to nodes.
4. Which of the following quotes is usually the bottom of the instructor’s E-mail messages?
 - a. “Sorry for writing you such a long letter. I didn't have time to write you a short letter.” Cicero

over/next page

- b. "A mind is not a vessel to fill; but a fire to light." Plutarch
- c. "Better to promote the good than to rail against the ill." Tennyson
- d. "The courage of your enemies does you honor." Chinese Proverb
- e. "The courage of your friends gives you strength." Arab Proverb
- f. "Always do right. It will please a few and astonish the rest." Mark Twain
- g. "Without the high and noble the simple and vulgar is utterly mean; and without the simple and ordinary the noble and heroic is meaningless."
Tolkien
- h. "Imagine yourself a congressman. Now imagine yourself an idiot. Ah, but I repeat myself." Mark Twain

(Have a good quote? I collect them.)

Answers

- 1) a, b, c
- 2) c, d, e
- 3) a, c, d, e
- 4) f