

The questions can be answered in any order.

You may need to consult the resources to look for help or check your answers.

Unified Process and use cases

1. Explain why UP is said to be
 - Risk driven
 - Architecture Centric
 - Iterative and Incremental
 - Use Case driven

2. Unified Process defines a number of phases. From the list below, pick these in the order in which they are carried out (without "looking")
 - Compilation
 - Construction
 - Deployment
 - Design
 - Elaboration
 - Implementation
 - Inception
 - Initiation
 - Iteration
 - Realization
 - Transition
 - Transmission
 - Verification

3. What is the difference between Use Cases and User Stories?
Touch on form and purpose!

4. What is the major objectives of each phase in UP?

5. Describe how planning is done in UP.

6. With out "looking" - give some typical ("text-book-values") for the following:
 - no of iterations in a UP project
 - length of an iteration
 - relative cost (in man hours) of the phases in UP
 - ratio of requirements that are implemented after Elaboration

7. State all the disciplines in UP

Prototyping and spikes

1. What is the name and main purpose of each class of prototyping (Floyd)
2. Which classes of prototyping could be used during an XP/Scrum project? When?
3. Give a concrete example of each class of prototyping.
4. What is the name and main purpose of each form of spike?
5. What are the similarities and differences between the techniques prototyping and Spike?

Continuous Integration

1. Explain the overall concept of Continuous integration
2. Describe some stated benefits of applying the practice
3. Describe the steps in a typical "work cycle" for a (pair of) developer(s) using Continuous Integration

Test and TFD/TDD

1. What is the purpose of Unit testing?
2. What is the difference between System testing and Acceptance Testing?
3. Describe the "V-model"
4. Describe the test activities in XP
5. Describe the difference between black box and white box testing
6. Describe the difference between verification and validation
7. Describe the difference between functional and non-functional test
8. Describe the difference between Integration test and regression test.
9. Explain the Test First Development (TFD) principle
 - a. the guidelines
 - b. the stated advantages