1. The spiral model of software development **includes project risks evaluation during each iteration**

2. software engineering layers：Process、Methods、Tools

3. CRC card：collaborators 、class name、 responsibilities

4. **UseCase View** is used to depict a model of information from the user's view

5. **white-box testing**: requires devising test cases to exercise the internal logic of a software module.

6. Software doesn't wear out, but it does deteriorate .

7. Software is both a product and a vehicle that delivers a product.

8. The incremental process model focuses on the delivery of an operational product **with each increment.**

9. Software is a product and **can not be** manufactured using the same technologies used for other engineering artifacts.

10. **Cohesion** is an indication of the relative functional strength of a module，and **coupling** is an indication of the relative interdependence among modules.

11. Before beginning a software project, be sure the software has a **business purpose** and that users perceive value in it.

12. Different projects demand different task sets. The software team chooses the task set based on problem and **project characteristics**。

13. The **V-model** illustrates how verification and validation actions are associated with earlier engineering actions.

14. Software designers tend to focus on the problem to be solved. Just don't forget that the **FURPS attributes** are always part of the problem.

15. The **analysis model** and requirements specification provide a means for assessing quality once the software is built.

16、**Software（P4）**

17、**Anarchetype （P219）**

18、**SCM scenario （P412）**

19、**Entity classes（P154）**

20、**Recovery testing （P351）**

21. What are the steps for top-down integration ?（P342）

22. What information is produced as a consequence of requirements gathering?（P113）

23. the characteristics of a good design ?（P181）

24. the Open-Colsed Principle：（P243）

25. the LisKov Substitution Principle：（**P244**）

26. the Dependency Inversion Principle（**P244**）