浙江大学 2004 —2005 学年秋学期期终考试

《 软件工程 》课程试卷

考试时间：__120__分钟　开课学院_　软件学院_　专业__

姓名_____ 学号_____任课教师_____

题序	一	二	三	四	总分
评分					
评阅人					

Answer Sheet

Part I				
1. AD	**2. C**	**3. ACD**	**4. BE**	**5. BCE**
Part II				
1. T	**2. F**	**3. F**	**4. F**	**5. T**
6. T	**7. F**	**8. T**	**9. F**	**10. T**

Part III

1.

Conventional test case design is driven by an **I-P-O** view of software or the **algorithmic detail** of individual modules. OO testing focuses on designing appropriate **sequences of operations** to exercise the **states of a class**.

2.

Because time lines for the development of modern software are getting shorter and shorter, customers are becoming more diverse (making the understanding of requirements even harder), and changes to requirements are becoming even more common (before delivery), we need a way to provide incremental or evolutionary delivery. The evolutionary process **accommodates uncertainty better** than most process models, **allows the delivery of partial solutions** in an orderly and planned manner, and most importantly, **reflects what really happens** when complex systems are built.

3.

Classes provide an **encapsulation (information hiding)** mechanism by which data (attributes) have their access controlled by a set of operations. When properly implemented this yields systems with **low coupling and high modularity**. **Inheritance** provides a mechanism by which **changes to higher level classes can be propagated to lower level classes quickly**. **Polymorphism reduces the effort required to extend an object system** by enabling a number of different operations to share the same name.

Part IV

Any consistent answeres are acceptable.