选择题

1）One of the most important attributes for a software product metric is that it should be
  A) qualitative in nature
  B) reliable over time
  C) easy to compute
  D) widely applicable

判断题

1）Configuration audits are needed even if you make use of formal technical reviews as part of your software engineering process. （   ）
2）The advantages of using LOC (lines of code) as a size-oriented metric is that LOC can be computed before a design is completed.
3）LOC is the important normalization value for function-oriented metrics.
4）Software project estimation can never be an exact science, but a combination of good historical data and systematic techniques can improve estimation accuracy.
5）The best reason for using Independent software test teams is that arguments between developers and testers are reduced.
6）Measure can give us many quantitative and reasonable project data, so we can use metrics to appraise individuals.
7）The only reason an estimate may be unreliable is lack of experience with the application on the part of the estimator.
8）When evaluating a product, why is it important to have data collection and analysis done automatically whenever possible?

简答题

1)Explain how size-oriented metrics differ from function-oriented metrics. Discuss the pros and cons of each. Why is it important for software developers to make use of measurement to guide their work?
2)When design a call-and-return structure of a software, what can possibly go wrong if a module has too many fan-outs or fan-ins? (5 pts.)
3)Why is it important for software developers to make use of measurement to guide their work? On the other hand, it is suggested that we must not use metrics to appraise or to threaten individuals or teams – why not? (6 pts.)