ECE 417/617 Assignment #3


Then answer the following questions.

Chapter 1: Software construction

1. How is McConnell’s book lop-sided? It only focuses on software ______________.

2. List three aspects of software engineering that are not covered in this book:
   ______________, ______________, and ______________.

3. Why is “programming” a better word than “coding”?

4. The ratio of the best to the worst programmer’s productivity on a team is approximately what?

5. List three reasons why software construction is so important.

Chapter 2: Metaphors

6. Fred Brooks says, “Plan to throw one away; you will anyhow.” What is a better way?

7. List one drawback of each of the following software metaphors:
   Writing code: ______________
   Growing a system: ______________

8. What software metaphor does McConnell advocate?

9. Who wrote the Mythical Man Month?

10. Whose breakthrough book pioneered incremental development?

11. List some similarities between building construction and software construction.

12. Like a good craftsman, a good programmer has a full mental ______________.