Software Engineering CS-303

Time Allowed: 10 minutes Quiz # 1 SOLUTION Roll Number:

1. [1] True or False? Unit testing is performed by developers instead of testers. **True**
2. [1] True or False? There is no involvement of client in testing phase **False**
3. [1] True or False? Software costs more to maintain than it does to develop. **True**
4. [1] Which of the following statements regarding Build & Fix Model is/are wrong?  
   a) No room for structured design b) Code soon becomes unfixable & unchangeable  
   c) Maintenance is practically not possible **d) It scales up well to large projects**

e) None of the above

1. [1] What is the major advantage of using Incremental Model?  
   a) Customer can respond to each increment

b) Easier to test and debug  
c) It is used when there is a need to get a product to the market early  
**d) Easier to test and debug & It is used when there is a need to get a product to the market early**

e) All of the above

1. [1] Which of the following is/are not an Extreme Programming practice?
2. **Prototyping** c) Pair programming
3. Continuous integration of deliverables d) Unit tests e) None of the above
4. [1] Which of the following is/are not a feature of Unified process?
5. Incremental and Iterative
6. **One dimensional**
7. Within each increment the developers have to iterate until task is complete
8. Consecutive series of waterfall models
9. [1] Select the option(s) that suits the Manifesto for Agile Software Development  
   a**) Individuals and interactions** b) Proper documentation  
   c) **Customer collaboration**  d) All of the mentioned
10. Identify the disadvantage of Spiral Model.  
    **a) Doesn’t work well for smaller projects**  
    b) High amount of risk analysis  
    c) Strong approval and documentation control  
    d) Additional Functionality can be added at a later date

None of the above

1. [1] The \_**Spiral Model**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an evolutionary software process model that couples the iterative nature of prototyping with the controlled and systematic aspects of the waterfall model
2. [2] The user of a product you are developing wants his product to be of high quality. He wants the product to have certain quality factors, out of which he has listed efficiency and flexibility to be most important. Can there be any problems in fulfilling the user’s demands (in terms of quality)?

**Problems can exist. Valid justification**

1. [2] Managers of software projects often think that if they fall behind schedule, they can add more programmers late in the project to catch up and meet the deadline. What are your views about this approach?

**Not a good approach. Valid justification.**

1. [1] Order these different types of tests in ascending order
2. Unit Tests ii. Acceptance Tests iii. Integration Tests iv. Load Tests

**i, iii, iv, ii**

1. Two different types of acceptance tests: **Alpha, beta**
2. Two different types of system tests: **Load, Stress, Performance testing**