**Assignment-3**

**Quality Assurance and Quality Control**

1. What is the difference between verification and validation?

Ans: **Verification** is the process of checking that the software meets the specification.The objective of Verification is to make sure that the product being develop is as per the requirements and design specifications.

**Validation** is the process of checking whether the specification captures the customer's needs. The objective of Validation is to make sure that the product actually meet up the user’s requirements, and check whether the specifications were correct in the first place.

1. What is the difference between quality and testing?

Ans: Quality is nothing but, up to what extent the application is having the correction/completeness/Perfection/standard value and everything related to customer specifications

Testing is nothing but, it’s a process of identifying Quality of an application

1. Quality improvement programs may require the product itself to be changed.

a. True

b. False

1. The basis upon which adherence to policies is measured is

a. Standard

b. Requirement

c. Expected result

d. Value

e. All of the above

f. None of the above

1. During an inspection, inspectors normally make suggestions on correcting the defects found.

a. True

b. False

1. The term “benchmarking” means

a. Comparing with past data from your organization

b. Comparing with the results of a market survey

c. Comparing with the results of a customer survey

d. None of the above

1. The concept of continuous improvement as applied to quality means:

a Employees will continue to get better

b. Processes will be improved by a lot of small improvements

c. Processes will be improved through a few large improvements

d. Improved technology will be added to the process, such as acquiring  CASE tools

e. The functionality of the products will be enhanced

1. The following can be considered to measure quality:

a. Customer satisfaction

b. Defects

c. Rework

d. All of the above

e. None of the above

1. Quality assurance is a function responsible for

a. Controlling quality

b. Managing quality

c. Inspections

d. Removal of defects

1. **How much testing is enough?**  
     
   a. This question is impossible to answer  
   b. This question is easy to answer  
   c. The answer depends on the risk for your industry, contract and special requirements  
   d. This answer depends on the maturity of your developers