

**CS608**

**Current Mid  
Term Paper**

## Subjective Questions:

Question:

(Marks: 5)

Attempted Questions:

Assume that you are working as quality planning manager in a software company. Write down three tasks that you will perform while setting quality goals.

### Setting Quality Goals

- Identify quality views and attributes meaningful to target customers and users
- Select direct quality measures that can be used to measure the selected quality
- Quantify these quality measures

Question:

(Marks: 5)

Att

What are defect quality measurements? Describe at least five (5).

### Defect Quality Measurements

- Defect discovery points (i.e., inspections, tests, customer reports, etc.)
- Defect removal efficiency levels
- Normalized data (i.e., defects per function point or per KLOC)
- Causative factors (i.e., complexity, creeping requirements, etc.)
- Defect repair speeds or intervals from the first report to the release of the fix

Question:

(Marks: 5)

Attempted Questions:

Assume that you are working as a Quality Assurance manager at a software company named Soft Tech. A group of developers had developed a prototype which is handed to you for verification and validation testing. In your opinion what parameters must be checked in verification and validation process separately? Describe in details.

Question:

(Marks: 3)

Attempted Question

According to boundary value analysis what are the possible places of errors in a software?

BVA operates on the basis that experience shows us that errors are most likely to exist at the boundaries between partitions and in doing so incorporates a degree of negative testing into the test design

Question:

(Marks: 3)

Attempt

Describe at least two practical examples of Quality Control Process.

The goal of Quality Control is to identify defects after a product is developed and before it's released.

Finding & eliminating sources of quality problems through tools & equipment so that customer's requirements are continually met.

The activities or techniques used to achieve and maintain the product quality, process and service.

## MCQs

\_\_\_\_\_ ensures that the Software Project would reach its goals.

Choices:

Defect prevention

Defect avoidance

Software quality management

**Ans**

Customer report

Quality Control is a set of activities that are ----- oriented.

Choices:

Process

**Ans**

Customer

Product

Hardware

Gray box testing provides the advantages of \_\_\_\_\_.

Choices:

Black box testing

White box testing

Both black and white box testing

**Ans**

None of the given

Which of the following are organization's software process assets?

Choices:

Standard processes

Tailoring guidelines for project

Library of best practices

All of the given

**Ans**

White box testing is based on the \_\_\_\_\_ of the component or entire system.

Choices:

Internal structure

**Ans**

External structure

Both internal and external

None of the given

Defect prevention is concerned with ensuring that the sources of defects inherent in the software process, or defects that occur repeatedly are identified and \_\_\_\_\_.

Choices:

Approved

Eliminated

**Ans**

Included

Added

Organization's software process assets doesn't include \_\_\_\_\_

Choices:

Standard processes

Tailoring guidelines

Services

**Ans**

Library of best practices

Performance is an indication of the responsiveness of a \_\_\_\_\_ to execute any action within a given time interval.

**Choices:**

User

Programmer

Computer analyst

System

**Ans**

Reliability is the ability of a system to remain \_\_\_\_\_ over time.

Choices:

None operational

Under maintenance

Operational

**Ans**

Close

In the first step of setting quality goals; the quality views and attributes meaningful to \_\_\_\_\_ are identified.

Choices:

Programmer

User

**Ans**

Computer analyst

Quality assurance manager

Boundary value analysis is normally used in conjunction with \_\_\_\_\_.

Choices:

Equivalent partitioning

**Ans**

Decision table

State transition table

Use case testing

Black box testing ignore the \_\_\_\_\_ details of a system.

Choices:

External

Internal

**Ans**

Outer

Output

Software testing is the process of examining the software product against its \_\_\_\_\_.

Choices:

Solution

Values

Requirements

**Ans**

System

Testing is any activity aimed at evaluating a/an \_\_\_\_\_ or capability of a program or system and determining that it meets its required results.

**Choices:**

Result

Attribute

**Ans**

Values

None of the given

Failure can be best defined in terms of software engineering as \_\_\_\_\_.

**Choices:**

Human mistake

Improper Program condition

Difference from intended behavior **Ans**

None of the given

Quality assurance is a process that focuses on \_\_\_\_\_.

Choices:

Defect prevention

**Ans**

Data prevention

Software prevention

None of the given

What are the possible reasons for poor Quality?

Choices:

Logical design errors

Coding errors

Documentation errors

All of the given

**Ans**

Maintenance engineer is concerned about \_\_\_\_\_ after delivery of product.

**Choices:**

Correction time

**Ans**

Prevention time

Contingency time

Execution time