Testing focuses on evaluating the interaction among units

Integration testing

Test managers should not:

Re-allocate resource to meet original plans

Select one that is not strength of a third-party testing

None of the options

Testers should have access to the following

All the options

Testing of the system to demonstrate system compliance with

Acceptance testing

 A step-by-step procedure on the action in testing & verifying of results is called a

Test case

Which of the following is true of the V-model?

It includes both Verification & Validation of designs

In practice, which Life Cycle model may have more, fewer or different levels of development and testing, depending on the project and the software product. For example, there may be component integration testing after component testing, and system integration testing after system testing.

V-model

"Which of the following is the task of a Test Lead / Leader.  
i. Interaction with the Test Tool Vendor to identify best ways to leverage test tool on the project.  
ii. Write Test Summary Reports based on the information gathered during testing  
iii. Decide what should be automated , to what degree and how.  
iv. Create the Test Specifications"

i,ii,iii is true and iv is false

A failure is

Deviation from specified behavior

"Disadvantages  of Thin Client"

Changes may be easy to incorporate

"Advantages of Thick Client:" A. Load is balanced to some extent

B. Client processing can be tailored to different users

Both A and B

Disadvantages  of Thick Client:"

A.Larger code base on the client

B.Complex business logic cannot be reused

Both A & B

"Disadvantages of 2 Tier"

High network traffic

Advantages of 3 tier:

A. Application components are loosely coupled , therefore easily modifiable

B. Complex business logic can be reused reliving clients from having to code  the applications logic (the "fat client" approach)

Both A & B

Disadvantages  of 3 tier:   
System complexity - extremely complex to program and debug   
Security issues

What are the different layers available in an application

Presentation and application layer

Class consist of none

Key concepts of OOP none

Disadvantages  of Thick Client:

Larger code base on the client  & Complex business logic cannot be reused

The \_\_\_\_\_ method is the classic approach to project management, especially to the management of large projects

Water fall

Choose the incorrect statement

Testers for risk-management should be test analysts

Quality is a measure of

All the options

Choose the correct Testing life cycle flow:

Plan Test, Design Test Case, Execute Test, Report Defect, Analyze Test Results

Classification of an application

All the options

Which one of the following is not Advantages of Thin Client:

Larger code base for client

Defect classifies :

Deviation from the requirement / functionality

How much testing is enough - Choose the most correct answer

It depends on the risks for your system

Enough testing has been performed when:

the required level of confidence has been achieved

Entry criteria to execute testing is?

All the options

According to the process of identifying and designing tests, what is the correct order of these activities?

1. Elaborate and describe test cases in detail by using test design techniques.  
   ii. Specify the order of test case execution.  
   iii. Analyze requirements and specifications to determine test conditions.  
   iv. Specify expected results.

iii,i,iv,ii

Which of the following is NOT true about Maintenance Testing?

Maintenance testing is easy even if specifications are out of date and or missing

Functional system testing is defined as

Testing the end to end functionality of the system as a whole.

Disadvantages of Independent Testing

Independent testers may be the bottleneck as the last checkpoint & Developers lose a sense of responsibility for quality

Factors that will not influence Test Plan

None of the options

Test Cases will help to define the scope of testing. Is this statement true or false?

False

Negative Test Cases are the Test Cases which test a functionality by entering negative numbers. Is this statement true or false?

False

What is not a characteristic of good Test Case?

Ambiguous

What is not an element of a Test Case?

Reference to Project Plan

Recommended number of steps per a test case is

10 steps or less

Among the followings what is not an input for the Test Case designing activity?

Quality Assurance Test Report

Why we need test cases? Choose the most irrelevant answer.

To ensure testing all possible inputs for each functionality

Which of the following is not a Review technique ?

Design Analysis

The process by which the author explain a document to a group so that the attendees understand the content is called

Walkthrough

The main purpose of ………….is to make decisions, evaluate alternatives, find defects, solve technical problems and check conformance to specifications and standards

Reviews

Which of the following cannot be identified by Static Testing?

Memeory leaks

Is the following statement true or false?  
"A given automation tool offer support for only one type of testing related activity"  
 false

Select the most appropriate answer to the following;  
Based on what criteria an automation tool will be calcified?

Tools are classified according to the testing activities that   
they support and activity with which they are most closely   
associated.

Two methods can be existed with same name if method signatures are different

Method Overloading

Which one of the following are not OO Advantages

Control flow

Which of the following is TRUE about Primary Key?

A column that is defined as Primary Key cannot contain NULL value.

A query joins two tables A and B. For all rows in A that has no matching records in B NULLS are returned .What is applied in this respect

outer join

What is the scripting language used in QTP?

VB Script

From the given lists of QTP checkpoints select the INCORRECT list.

1. Table Checkpoint   
2. Image Checkpoint   
3. Menu Checkpoint

Choose the right order of SQL Query parameters :

where, group by, group function, having

The SQL command used to avoid the selection of duplicate rows, based on particular COLUMN  is :

DISTINCT

VBScript is an

Object Based Language

What are the differences between Sub-Procedure and a Function in VBScript

The main difference is function returns a value where as a Sub-procedure does not

In a review meeting a "Moderator" is a person who \_\_\_\_\_\_\_\_\_\_\_

Mediates between people

When you use the ln command, which of the following occurs?

a file is created that points to an existing file

The du command is for

**Disk usage**

What does the sort -rn command do?

Sorts a file in reverse order, numerically

How would I find out if a person is actively computing  or has been dormant?

**Finger**

Which command is used to change your password?

Passwd

Which command can be used to display the contents of a file on the screen?

**Cat**

Which command would you use to create a sub-directory in your home directory?

**Mkdir**

To change access modes on files you can use the chmod command

**True**

To change the owner of the file you could use the chown command

**True**

UNIX can be best described as

**Multi user and multi processing**

Which of the following are oops concepts

Generalization, Specialization, Aggregation

Tick the correct process models only

Agile   
  
Water fall model

Use case will be used in Analysis phase

True

Which of the following is related to a class diagram? ( tick all the correct ones)

Conceptual   
  
Generalization

Activity diagram does which of the following

It helps a developer to understand the flow of the business

Which of the following is true for a composite primary key ?

The outer column should have most distinct values

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Given two queries    Select count (\*) from emp    Select count(empcode) from emp    Will return same value always, irrespective of any condition / situation  True  Why will the following query raise an exception?    select dept\_no, avg(distinct salary), count(job) as “job\_count”   from emp   where mgr like ‘J%’    or abs(salary) > 10   having count(job) > 5 order by dept\_no desc;  The GROUP BY clause is missing.  A query joins two tables A and B. For all rows in A that has no matching records in B NULLS are returned .What is applied in this respect?  Outer join  Omitting the WHERE clause of an UPDATE or DELETE statement has what effect?  All rows in the specified table are affected  What statement could you use in the WHERE clause to select all the rows in a table where no price is defined?  WHERE price IS NULL  How is a NOT NULL column added to an existing table?  By using the ALTER TABLE statement  Which of the following commands are parts of the Data Definition Language (DDL)?  CREATE TABLE  What are two advantages of triggers over rules and constraints? Choose two  The ability to use looping structures.   The ability to reference data in other databases.  Which of the following are parts of a SELECT statement? Choose all that apply.  WHERE   SELECT   FROM  Which SCM solution is best for binary files?  Lock-modify-unlock solution  The meaning of the “import” subversion command is  HINT:  svn import –m “importing xxx project”  The import keyword tells Subversion we, want to populate the repository with a new project in the repository.  To show the changes between the repository version of the file and your local copy use the following Subversion command  Diff  What is a false positive  False positives tend to overwhelm developers with problems  that aren’t real problems.  Static analysis tool scan the source of a program for possible faults and anomalies. Which is not part of this analysis  Bad or incorrect algorithm usage  Which statement is not true?  Static analysis tool identifies necessary unit test coverage for all possible paths through the program.  Select which is not part of the build life cycle  None of the options  The goal of build automation is  The goal of automation is to create a one-step process for turning source code into a working system to save time and to reduce errors.  Which is not an advantage of the build automation?  Enables functional testing by QA  Select the right acronym for the Virtusa design review  DARB  Given the command ls | tee dir, where will the directory listing be sent?  To standard output and to a file called dir  A prospective employer is asking you to send a text file describing your qualifications in two-hundred words or less. What command will allow you to count the number of words in your text file?  Wc  Which command will add the directory /opt/bin to the end of your BASH shell's search path?   |  | | --- | |  | | |  |  |  | | --- | --- | --- | |  |  | PATH=$PATH:/opt/bin |     The command unset FOO does what?  Removes the shell variable FOO  Which of the following will send the standard error of mkdir /tmp/foo to /dev/null?  mkdir /tmp/foo 2>/dev/null  Which of the following will display the string "oops" when the command mkdir /tmp/bar fails?  mkdir /tmp/bar || echo "oops"  What is the default signal for the kill command if no signal is specified as a command-line option?  SIGTERM  What signal can be used with the **kill** command to end processes that do not respond to the default signal?  SIGKILL  What command can be used to start a program with a lower scheduling priority?  Nice  Which of the following commands can be used to change the scheduling priority of a running process? (choose two)  Renice top  Which of the following commands can be used to interrupt processing of a While loop?  BREAK  Choose all the statements that you could use in the WHERE clause to find only the rows where the first name is Bobby or Bobbi. Choose all that apply.  WHERE name = ‘Bobby’ or name = ‘Bobbi’   WHERE name LIKE ‘Bobb%’  What are the space requirements for views?  Views do not store data and therefore use no space  Which of the following are aggregate functions?  Sum,max  What is the lifetime of a user-defined variable?  Duration of the batch  Referential integrity refers to what?  Ensures that relationships between tables remain consistent  Indexes in a table  Depends on the table size and the nature of the data  Indexing views improves the search performance  When index contains inner joins  What is True about OLTP database  None of the options  What is True about Data Warehouses  Contain transformed data that is valid, consistent, consolidated, and formatted for analysis.  Which of the following UML diagrams can best be used to analyze the loading and unloading of files like DLL, EXE etc during executing an application?  Component diagram  Consider 2 classes Car and Carburetor. What can be the best relationship between those 2 classes?  Aggregation  When you want to express a strongest form of relationship which notation you would choose ?  Composition  Which of the following is an example of Polymorphism of OOPS  Overriding  Which of the following is the practicality of Polymorphism  Overriding  UML belongs to  Object management Group  Identify which diagram fall under structural diagrams  Object diagram  Reflexive Communication  & Activation notations belong to which of the diagram  Sequence Diagram  Which of the following is a true statement  java &  C# are oops based languages.  Which of the following is a true statement  The concept of superclass & subclass exist.  Which of the following are part of SCM  Versioning   Defect tracking  The meaning of the “import” subversion command is  HINT:  svn import –m “importing xxx project”  The import keyword tells Subversion we, want to populate the repository with a new project in the repository.  Can we add rules to Fxcop & findbugs tools  True  Which of the following is Virtusa’s standard version control system  Keystone  Static analysis tool scan the source of a program for possible faults and anomalies. Which is not part of this analysis  Recommended Coding standards  To which of the following is  ERA applicable to   1. Java projects (B) .Net Projects   Both    Which of the following are build automation tools? (choose all that apply)  ANT  The goal of build automation is  The goal of automation is to create a one-step process for turning source code into a working system to save time and to reduce errors.  Which is not advantage of the build automation?  Analyze the source code  Which of the following is the advantage of build tools ?(choose two)  Enables repeatable build   Embeds build knowledge into the project | |