

PASS4SURES.COM

A Composite Solution With Just One Click

Microsoft

98-379 PRACTICE EXAM

Software Testing Fundamentals

98-379 CSHARP Questions: 124**+****98-379 VB Questions: 124****= Total Questions****248****98-379 CSHARP Questions:****Question: 1**

DRAG DROP

Match each status to its test step. To answer, drag the appropriate status from the column on the left to its test step on the right. Each status may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area				
	Test Step	Expected Result	Actual Result	Status
Pass	Enter 1899 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	Proper prompt is displayed; Response time: 500 ms	
Fail – Performance error	Enter 1948 in the birth year field	"65" is displayed in the Age field; Response time less than 1 sec	"65" is displayed in the Age field; Response time: 1500 ms	
Fail – Constraint error	Enter 2033 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	"-20" is displayed in the Age field; Response time: 750 ms	
Fail – Logic error	Enter "AAAA" in the birth year field	Prompt is displayed: "Please enter a valid year"; Response time less than 1 sec	Proper prompt is displayed; Response time: 300 ms	

Answer:

Test Step	Expected Result	Actual Result	Status
Enter 1899 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	Proper prompt is displayed; Response time: 500 ms	Pass
Enter 1948 in the birth year field	"65" is displayed in the Age field; Response time less than 1 sec	"65" is displayed in the Age field; Response time: 1500 ms	Fail – Performance error
Enter 2033 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	"-20" is displayed in the Age field; Response time: 750 ms	Fail – Constraint error
Enter "AAAA" in the birth year field	Prompt is displayed: "Please enter a valid year"; Response time less than 1 sec	Proper prompt is displayed; Response time: 300 ms	Pass

Question: 2

This question requires that you evaluate the underlined text to determine if it is correct.

Bug tracking is the process of assigning severity and priority to a reported bug.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Logging
- C. Resolution
- D. Triage

Answer: D

Question: 3

HOTSPOT

You are asked to train an intern to create bug reports by using Team Foundation Server (TFS). You review the following bug report your intern created:

Title:

State not displaying

STATUS

Assigned To:	<input type="text"/>
State:	<input type="text" value="Reviewing"/>
Reason:	<input type="text" value="Not fixed"/>
On Hold?:	<input type="text" value="No"/>
Blocked By:	<input type="text"/>
Blocking:	<input type="text"/>

CLASSIFICATION

Area:	<input type="text"/>
Iteration:	<input type="text" value="Release"/>
Application:	<input type="text" value="Browse"/>
Type:	<input type="text"/>
Test Type:	<input type="text" value="Automated"/>
Found During:	<input type="text" value="Beta Testing"/>
Performance Defect:	<input type="text"/>
Business Program:	<input type="text"/>

PLANNING

Severity:	<input type="text" value="Sev 2"/>
Priority:	<input type="text" value="2"/>
Need By Date:	<input type="text"/>
Stack Rank:	<input type="text"/>
Release:	<input type="text"/>

REPRO STEPS

SYSTEM INFO

ROOT CAUSE DETAILS

FIX

OTHER

USER DEFINED FIELDS

HISTORY/COMMENTS

TEST

Repro Steps:

Segue UI

2 • B / U

When selecting United States from the country drop down, the states do not populate. Choosing other countries (UK, Canada, etc.) works fine.

History:

Type your comment here.

DISCUSSION ONLY ALL C

When this bug occurs, the user cannot continue using the application.

Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

The most likely cause of this defect is a/an ... issue.

The Blocking: field should be set to

Answer Area

The most likely cause of this defect is a/an ... issue.

- data
- environment
- security
- user interface

The Blocking: field should be set to

- Yes
- No

Answer:

Answer Area

The most likely cause of this defect is a/an ... issue.



A dropdown menu with a downward arrow on the right. The options are 'data', 'environment', 'security', and 'user interface'. The 'data' option is highlighted with a red box.

The Blocking: field should be set to



A dropdown menu with a downward arrow on the right. The options are 'Yes' and 'No'. The 'Yes' option is highlighted with a red box.

Question: 4

You use Microsoft Test Manager to test a solution.

Which two statements about using test cases in Microsoft Test Manager are correct? (Choose two.)

- A. You can share steps between different test cases.
- B. You need to add all fields to a test case when you create the test case.
- C. You must define test cases by using Microsoft Test Manager.
- D. You can add attachments and hyperlinks to test cases.

Answer: A, D

Explanation:

Reference:

[http://msdn.microsoft.com/en-us/library/vstudio/dd380712\(v=vs.110\).aspx](http://msdn.microsoft.com/en-us/library/vstudio/dd380712(v=vs.110).aspx)

Question: 5

When you log a bug, which two items should you include in the bug report to reproduce the bug? (Choose two.)

- A. The actions leading up to the bug
- B. The author of the code
- C. A description of the actual results
- D. The severity of bug

Answer: A, B

Question: 6

HOTSPOT

You run a load test in Microsoft Test Manager. You monitor performance counters by using the Load Test Analyzer. The following graphic displays representative data:



Use the drop-down lists to complete each statement. Each correct selection is worth one point.

Answer Area

The load test uses the ... pattern.

In general, the percentage of errors per second ... as the number of pages rendered increases.

Answer Area

The load test uses the ... pattern.

- step
- constant
- goal-based

In general, the percentage of errors per second ... as the number of pages rendered increases.

- decreases
- increases
- remains the same

Answer:

Answer Area

The load test uses the ... pattern.

step
constant
goal-based

In general, the percentage of errors per second ... as the number of pages rendered increases.

decreases
increases
remains the same

Question: 7

This question requires that you evaluate the underlined text to determine if it is correct.

Severity describes how much a defect affects an application.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Effect level
- C. Scope
- D. Priority

Answer: A

Question: 8

You need to show the rolling average of the number of bugs that the testing team has opened, resolved, and closed. Which report should you show?

- A. Bug trend
- B. Build quality indicators
- C. Bug status
- D. Burn rate

Answer: A

Question: 9

This question requires that you evaluate the underlined text to determine if it is correct.

Bug convergence is the point at which the number of bugs resolved exceeds the number of bugs found.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Baseline
- C. Burndown
- D. Code coverage

Answer: A

Question: 10

How many test plans are created in projects that use an agile methodology?

- A. One master test plan and one test plan for each sprint
- B. One test plan for each sprint
- C. One master test plan
- D. Multiple test plans for each sprint

Answer: A

Question: 11

As part of a development team in a test-driven development environment, you are given the requirements for a new software system.

What should you do first?

- A. Implement the system in the code.
- B. Write a user story for the system.
- C. Run all existing test cases to validate they succeed.
- D. Write a test case for the new system.

Answer: D

Question: 12

This question requires that you evaluate the underlined text to determine if it is correct.

In a use case diagram, the association between an actor and a use case can show a generalization at each end.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Alternative
- C. Multiplicity
- D. Subsystem boundary

Answer: C

Question: 13

This question requires that you evaluate the underlined text to determine if it is correct.

Fault tolerance is a redundancy technique that completely hides errors within a set of redundant modules.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Fault masking

- C. Exception handling
- D. Regression testing

Answer: B

Question: 14

A system has the following requirement:

Patients should be sent to the Emergency Room if their respiratory rate is ≥ 20 and their age is ≥ 65 .

How many test cases should you write to test all combinations of conditions?

- A. 0
- B. 2
- C. 4
- D. 9

Answer: D

Question: 15

DRAG DROP

You create work items to test the features of an application.

Match each work item type to its description. To answer, drag the appropriate work item type from the column on the left to its description on the right. Each work item type may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Work Item Type	Description
bug	potential problems that exist in the code
feature	additional or new functionality that is added to the project
task	communicates the need to do some work
test case	

Answer:

Work Item Type	Description
bug	potential problems that exist in the code
feature	additional or new functionality that is added to the project
task	communicates the need to do some work

Question: 16

DRAG DROP

Match each diagram to its description in the requirements model. To answer, drag the appropriate diagram from the column on the left to its description on the right. Each diagram may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Diagram	Description
Activity Diagram	who uses the system and what they do with it
Use Case Diagram	glossary of types that are used to describe the requirements; the types visible at the system's interface
Sequence Diagram	flow of work and information between activities performed by users and a system or its parts
Conceptual Class Diagram	sequence of interactions between users and a system or its parts

Answer:

Diagram	Description
Use Case Diagram	who uses the system and what they do with it
Conceptual Class Diagram	glossary of types that are used to describe the requirements; the types visible at the system's interface
Activity Diagram	flow of work and information between activities performed by users and a system or its parts
Sequence Diagram	sequence of interactions between users and a system or its parts

Question: 17

This question requires that you evaluate the underlined text to determine if it is correct.

A user story is a documented set of steps that determine if a particular feature of an application is performing properly.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Test case
- C. Test report
- D. Test suite

Answer: B

Question: 18

This question requires that you evaluate the underlined text to determine if it is correct.

You are creating a performance test plan.

The first step is to design tests.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Define the acceptance criteria
- C. Inspect the application code
- D. Run the application

Answer: B

Question: 19

This question requires that you evaluate the underlined text to determine if it is correct.

Test-driven development is a feature of certain forms of waterfall software development lifecycles.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

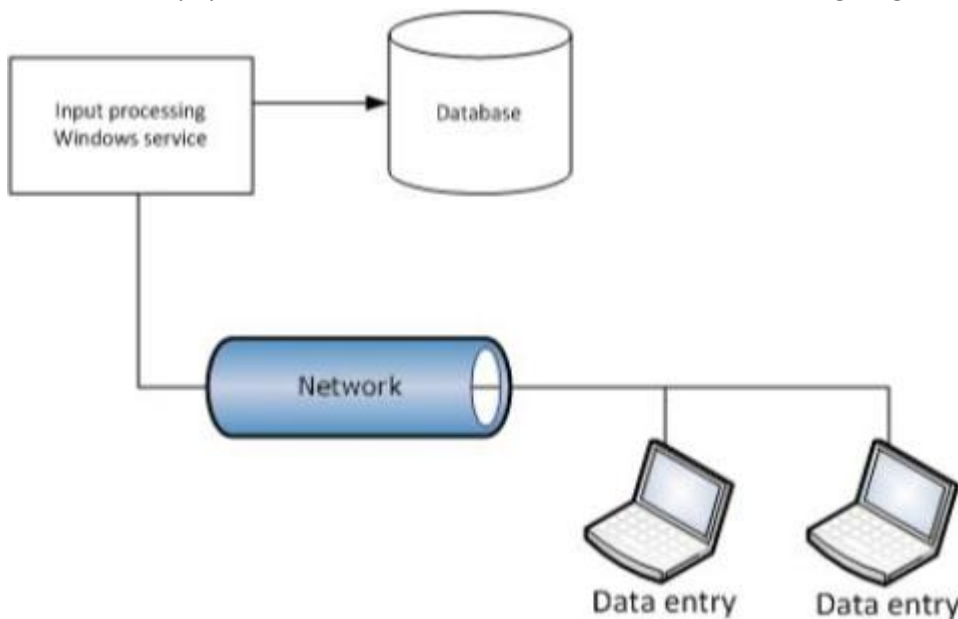
- A. No change is needed
- B. Agile
- C. Spiral
- D. Top-down

Answer: B

Question: 20

HOTSPOT

You develop an application to collect and record the grades for students at your university. The application interacts with data entry systems over the Internet as described in the following diagram.



Use the drop-down menus to complete the statements. Each correct selection is worth one point.

Answer Area

Input data arriving at the input processing Windows service is received from the ...

Transient network failures can occur between ...

Answer Area

Input data arriving at the input processing Windows service is received from the ...

 network
 database
 data entry notebook

Transient network failures can occur between ...

 instances of the data entry application
 the input processing Windows service and the database
 the data entry application and the input processing Windows service

Answer:

Answer Area

Input data arriving at the input processing Windows service is received from the ...

 network
 database
 data entry notebook

Transient network failures can occur between ...

 instances of the data entry application
 the input processing Windows service and the database
 the data entry application and the input processing Windows service

Question: 21
HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes

No

☐
☐

The ver command will display the current version of your Windows operating system.

☐
☐

Windows Store Apps can be run on any Windows operating system.

☐
☐

Windows 8 has both 32- and 64-bit versions.

Answer:

Answer Area

Yes

No



The ver command will display the current version of your Windows operating system.



Windows Store Apps can be run on any Windows operating system.



Windows 8 has both 32- and 64-bit versions.

Question: 22

This question requires that you evaluate the underlined text to determine if it is correct.

Software testing measures aspects of the development team.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Application
- C. Development schedule
- D. Potential market

Answer: B**Question: 23**

This question requires that you evaluate the underlined text to determine if it is correct.

A project that uses spiral methodology allows for incremental refinement through each cycle.

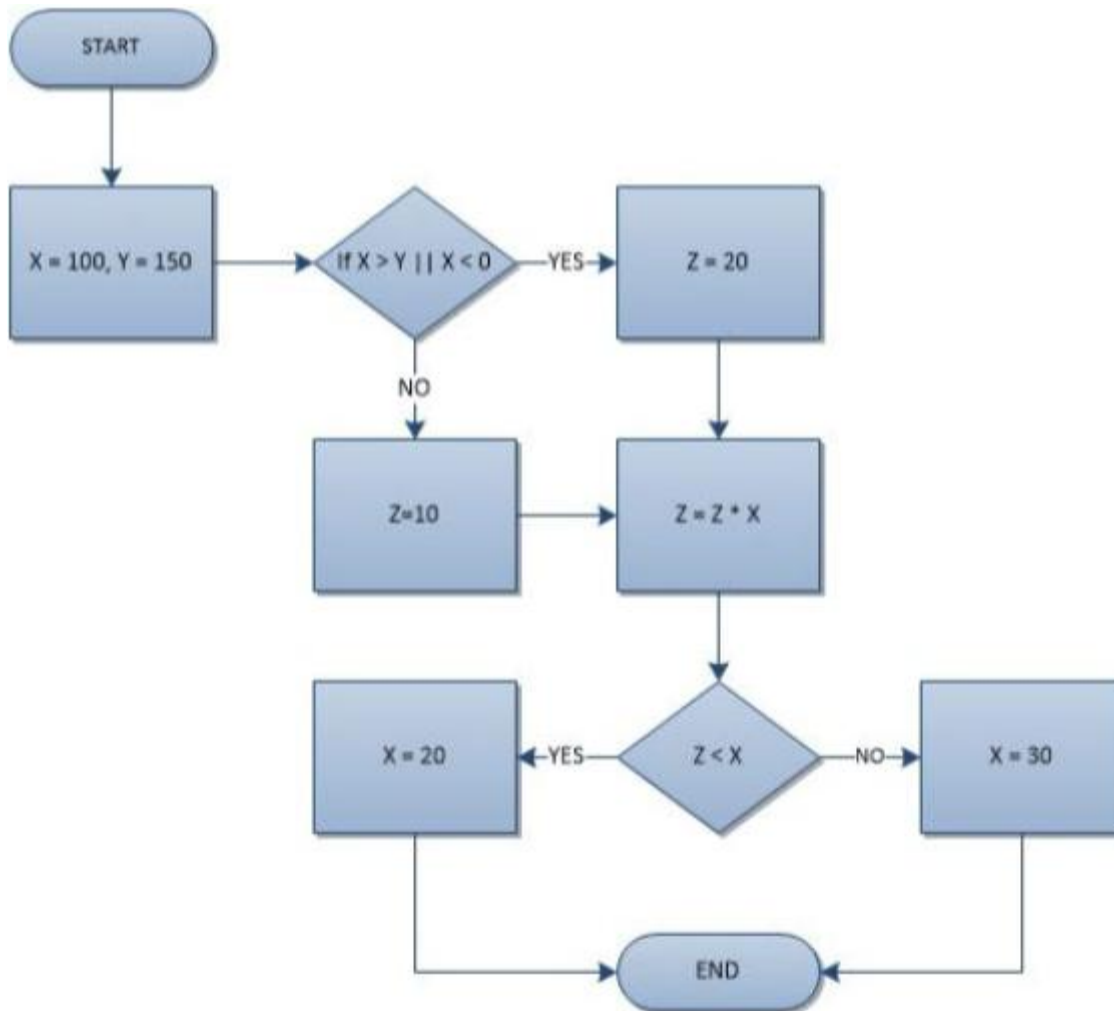
Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Top-down
- C. Bottom-up
- D. Waterfall

Answer: A**Question: 24**

HOTSPOT

You have the following flow chart:



Answer Area

What is the value of X?

What is the value of Z?

Answer Area

What is the value of X?

- 20
- 30
- 100

What is the value of Z?

- 10
- 1000
- 2000

Answer:

Answer Area

What is the value of X?

☐ 20
 ☒ 30
 ☐ 100

What is the value of Z?

☐ 10
 ☒ 1000
 ☐ 2000

Question: 25

You review an application to manage 5K races. The application includes a method named Match to associate racers based on rank. (Line numbers are included for reference only.)

```

01 public class Matcher
02 {
03     public void Match(Racer[] racers)
04     {
05         foreach (var racer in racers)
06         {
07             var rank = racer.Rank;
08             foreach (var pair in racers)
09             {
10                 if (pair.Rank == rank)
11                     SetupRace(pair, racer);
12             }
13         }
14     }
15
16     public class Racer
17     {
18         public int Rank;
19         public string Name;
20     }
21
22     private void SetupRace(Racer pair, Racer racer) { }
23 }
  
```

When the number of racers passed to the method doubles, by what factor does the number of iterations to find a match increase?

- A. 1
- B. 2
- C. 4
- D. 10

Answer: C**Question: 26**

You are developing an application to track the migration patterns of birds.
The application must support 250 simultaneous users.
How should you test for this requirement?

- A. Perform regression testing.
- B. Perform load testing.
- C. Host the application on a cluster.
- D. Limit the functionality of the application.

Answer: B

Question: 27

This question requires that you evaluate the underlined text to determine if it is correct.
The participants of a project that uses agile methodology write a test plan once during the entire project.
Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Extreme programming (XP)
- C. Spiral
- D. Waterfall

Answer: D

Question: 28

This question requires that you evaluate the underlined text to determine if it is correct.
Localization testing is used to prevent the reappearance of bugs.
Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Accessibility
- C. Functional
- D. Regression

Answer: D

Question: 29

You are identifying the approach and techniques to use when testing a system. Each build of the system will require retesting over 5000 test cases.
A new build of the system is performed every two days.
You must fully retest all 5000 test cases before the next build is complete.
Which two testing techniques should you use? (Choose two.)

- A. Stress testing
- B. Manual testing

- C. Regression testing
- D. Automated testing

Answer: A, B

Question: 30

During a beta period, a beta tester reports that input provided to a form does not return the expected result. The beta tester has no knowledge of the internal logic of the form.

What is this testing technique known as?

- A. Acceptance testing
- B. Gray box testing
- C. White box testing
- D. Black box testing

Answer: D

Question: 31

You are writing tests for an application that tracks the results of car races. The application includes a function named GetResults that returns the results for a race with a given name, as shown in the following code. (Line numbers are included for reference only.)

```

01 public class Loader
02 {
03     public List<RaceResult> GetResults(string raceName)
04     {
05         var conn = new SqlCommand("sp_GetResults");
06         conn.Parameters.Add("name", raceName);
07         var reader = conn.ExecuteReader();
08         var hasResults = reader.Read();
09
10         if (!hasResults)
11             throw new ArgumentException();
12
13         var result = new List<RaceResult>();
14         do
15         {
16             result.Add(new RaceResult
17             {
18                 RaceName = raceName,
19                 Data = reader.GetSqlXml(0),
20             });
21         } while (reader.Read());
22
23         return result;
24     }
25
26     public class RaceResult
27     {
28         public string RaceName { get; set; }
29         public SqlXml Data { get; set; }
30     }
31 }

```

You need to test that the GetResults function creates a RaceResult object containing the race name and data for each race result stored in the database.

What type of test must you use?

- A. Stress
- B. Integration
- C. Performance
- D. Unit

Answer: B

Question: 32

You have the following code. (Line numbers are included for reference only.)

```

01 [TestMethod]
02 [ExpectedException(typeof(ArgumentException))]
03 public void Withdraw_AmountMoreThanBalance_Throws()
04 {
05     var account = new CheckingAccount("Oliver", 10.0);
06     account.Withdraw(11.0);
07 }

```

Which exception must be thrown in order for the test case to pass?

- A. System.Exception
- B. ExpectedException
- C. ArgumentException
- D. InvalidArgumentException

Answer: C

Question: 33

DRAG DROP

Match the testing technique to the logical number of functions it can test. To answer, drag the appropriate testing technique from the column on the left to the logical number of functions tested on the right. Each technique may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Testing Technique	Logical Number of Functions Tested
Unit	A single function
Component	Multiple functions
Integration	Multiple modules

Answer:

Testing Technique	Logical Number of Functions Tested
Unit	A single function
Component	Multiple functions
Integration	Multiple modules

Question: 34

You are using Test-Driven Development. Automated unit tests should be designed:

- A. During final user acceptance testing.
- B. After the coding milestone has been met.
- C. Before the code that is being tested has been written.
- D. At the same time as the code that is being tested.

Answer: D

Question: 35

You are using Microsoft Test Manager to run automated tests in a virtual environment. What are two of the advantages of using a virtual environment? (Choose two.)

- A. Virtual environments allow for easy debugging of code.

- B. Virtual environments can store a snapshot of the environment.
- C. Virtual environments can run multiple copies of testing environments.
- D. Virtual environments make error reporting easier.

Answer: A, B

Question: 36

HOTSPOT

Which features does Visual Studio Lab Management support? For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area	
Yes	No
<input type="radio"/>	<input type="radio"/> You can use physical machines in addition to virtual machines.
<input type="radio"/>	<input type="radio"/> You can run both manual and automated tests.
<input type="radio"/>	<input type="radio"/> You can save the state of lab environments.

Answer:

Answer Area	
Yes	No
<input checked="" type="radio"/>	<input type="radio"/> You can use physical machines in addition to virtual machines.
<input checked="" type="radio"/>	<input type="radio"/> You can run both manual and automated tests.
<input checked="" type="radio"/>	<input type="radio"/> You can save the state of lab environments.

Question: 37

DRAG DROP

You are testing a software development project.

You need to determine which tests you should run manually and which tests should be automated.

Match each type of test to its test case. To answer, drag the appropriate type from the column on the left to its test case on the right. Each type may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Test Case	Type of Test
Identify incorrect return values.	<input type="text"/>
Identify usability issues.	<input type="text"/>
Detect application hangs and crashes.	<input type="text"/>

Answer:

Test Case	Type of Test
Identify incorrect return values.	<input type="text" value="automated test"/>
Identify usability issues.	<input type="text" value="manual test"/>
Detect application hangs and crashes.	<input type="text" value="automated test"/>

Question: 38

You are using Microsoft Test Manager to run automated tests in a virtual environment. If a script fails, which three actions can you perform in Microsoft Test Manager? (Choose three.)

- A. Abort
- B. Retry
- C. Skip
- D. Save
- E. Continue

Answer: A, B, C

Question: 39

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	Statement
<input type="radio"/>	<input type="radio"/>	Coded user interface tests can be automated.
<input type="radio"/>	<input type="radio"/>	Unit tests can be automated.
<input type="radio"/>	<input type="radio"/>	Load tests can be automated.

Answer:

Answer Area		
Yes	No	Statement
<input checked="" type="radio"/>	<input type="radio"/>	Coded user interface tests can be automated.
<input checked="" type="radio"/>	<input type="radio"/>	Unit tests can be automated.
<input checked="" type="radio"/>	<input type="radio"/>	Load tests can be automated.

Question: 40

Which three tools mitigate communication problems when working with distributed teams? (Choose three.)

- A. Automated daily builds
- B. Teleconferencing
- C. Daily hand-off reports
- D. Instant messaging
- E. Automated test scripting

Answer: A, B, C

Question: 41

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	Description of Exit Criteria
<input type="radio"/>	<input type="radio"/>	Exit criteria are the set of conditions that must be met before an application will be released.
<input type="radio"/>	<input type="radio"/>	Exit criteria are used to define the condition under which the application will terminate normally.
<input type="radio"/>	<input type="radio"/>	Exit criteria describe the actions that must be taken by the end-user to successfully exit the application.

Answer:

Answer Area

Yes	No	Description of Exit Criteria
<input checked="" type="radio"/>	<input type="radio"/>	Exit criteria are the set of conditions that must be met before an application will be released.
<input type="radio"/>	<input checked="" type="radio"/>	Exit criteria are used to define the condition under which the application will terminate normally.
<input type="radio"/>	<input checked="" type="radio"/>	Exit criteria describe the actions that must be taken by the end-user to successfully exit the application.

Question: 42

What does a sprint task hour burndown chart display?

- A. The estimated remaining hours of work for the sprint
- B. The actual remaining hours of work for the sprint
- C. The estimated hours of work expended for the sprint
- D. The actual hours of work expended for the sprint

Answer: A

Question: 43

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes	No	Description of Test Scripts
<input type="radio"/>	<input type="radio"/>	A test script is a set of instructions.
<input type="radio"/>	<input type="radio"/>	A test script can be run by using automated testing.
<input type="radio"/>	<input type="radio"/>	A test script contains the expected results.

Answer:

Answer Area

Yes	No	Description of Test Scripts
<input checked="" type="radio"/>	<input type="radio"/>	A test script is a set of instructions.
<input checked="" type="radio"/>	<input type="radio"/>	A test script can be run by using automated testing.
<input checked="" type="radio"/>	<input type="radio"/>	A test script contains the expected results.

Question: 44

This question requires that you evaluate the underlined text to determine if it is correct.

Visual Studio saves test result data in a .txt file.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. .dat
- C. .tst
- D. .trx

Answer: D

Question: 45

You partner with students from Mexico, India, and the United Arab Emirates on a project that uses the agile methodology. Which two items are risks to good communication? (Choose two.)

- A. Intellectual property
- B. Requirements gathering
- C. Language differences
- D. Cultural differences

Answer: A, B

Question: 46

You are using the agile methodology.

The role of the person responsible for maintaining the agile process is called the:

- A. User story
- B. ScrumMaster
- C. Stakeholder
- D. Product owner

Answer: B

Question: 47

This question requires that you evaluate the underlined text to determine if it is correct.

The weekly testing status report is part of the project charter.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

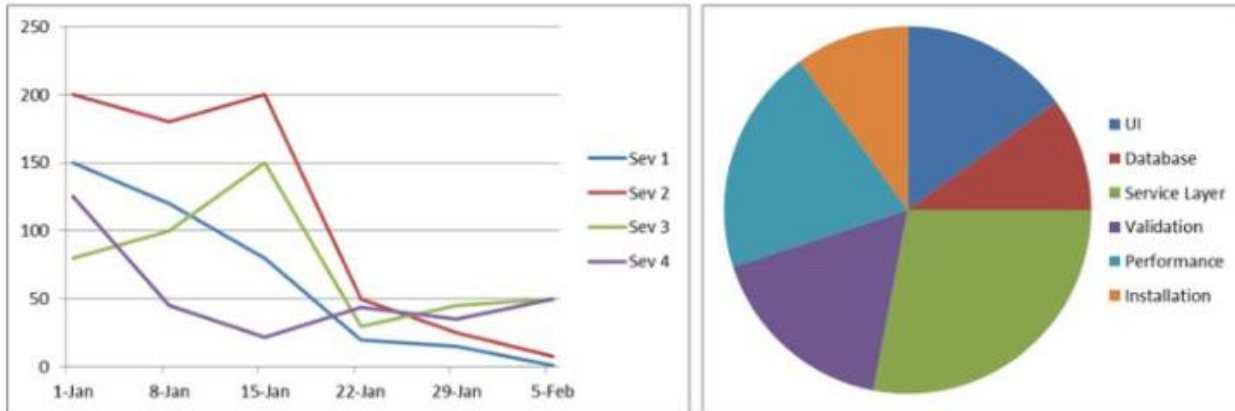
- A. No change is needed
- B. Backlog
- C. Project communication plan
- D. Sprint documents

Answer: C

Question: 48

HOTSPOT

You see the following charts in the weekly testing status report:



Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

The line chart on the left is an example of a

The pie chart on the right is an example of a

Answer Area

The line chart on the left is an example of a

- Defect Report.
- Defect Location Report.
- Test Case Progression Report.

The pie chart on the right is an example of a

- Defect Report.
- Defect Location Report.
- Defect Classification Report.
- Test Case Progression Report.

Answer:

Answer Area

The line chart on the left is an example of a

Defect Report.
Defect Location Report.
Test Case Progression Report.

The pie chart on the right is an example of a

Defect Report.
Defect Location Report.
Defect Classification Report.
Test Case Progression Report.

Question: 49

Which two conditions are examples of exit criteria? (Choose two.)

- A. All test scripts have passed.
- B. All test cases have been written.
- C. All defects are logged.
- D. All unresolved defects are deferred by the stakeholders.

Answer: A, B

Question: 50

You partner with students from India, Finland, and China on a project that uses the agile methodology. Which two items are challenges you may have as a result of the distributed team? (Choose two.)

- A. Personal communications
- B. Standup Meeting
- C. Automated builds
- D. Running test scripts

Answer: A, B

Question: 51

What does a checklist burnup chart display?

- A. The estimated remaining hours of work for the sprint
- B. The count of items completed and whether the team will complete the remaining items by the end of the sprint
- C. The actual remaining hours of work for the sprint
- D. The count of items remaining and whether the team will complete the remaining items by the end of the sprint

Answer: B

Question: 52

This question requires that you evaluate the underlined text to determine if it is correct.

The weekly testing status report is typically written by the ScrumMaster.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Lead Developer
- C. Test Manager or Test Lead
- D. Testers

Answer: C

Question: 53

This question requires that you evaluate the underlined text to determine if it is correct.

The original programmer is responsible for signing off completion of a regression testing milestone.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. End user
- C. Project manager
- D. Quality assurance manager

Answer: D

Question: 54

Your team uses the agile methodology. At the end of the sprint, your team looks for ways to improve.

This process is called:

- A. Fail-fast
- B. Refactoring
- C. Retrospective
- D. Backlog

Answer: C

Question: 55

HOTSPOT

You are using the Coded UI Test Project in Visual Studio to test your application.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	The Coded UI Test Project can run automated unit tests.
<input type="radio"/>	<input type="radio"/>	The Coded UI Test Project can break when an error occurs.
<input type="radio"/>	<input type="radio"/>	You can add comments and the reason for failure to the Coded UI Test Project if an error occurs.

Answer:

Answer Area

Yes	No	Description of Behavior
<input checked="" type="radio"/>	<input type="radio"/>	The Coded UI Test Project can run automated unit tests.
<input checked="" type="radio"/>	<input type="radio"/>	The Coded UI Test Project can break when an error occurs.
<input checked="" type="radio"/>	<input type="radio"/>	You can add comments and the reason for failure to the Coded UI Test Project if an error occurs.

Question: 56

This question requires that you evaluate the underlined text to determine if it is correct.

A/an control pattern represents the common behavior of a control and is used to design automated user interface (UI) tests.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Automation client
- C. Automation provider
- D. Interface

Answer: A

Question: 57

This question requires that you evaluate the underlined text to determine if it is correct.

You use the Visual Studio 2012 Build-Deploy-Test workflow.

You need to use a specific build to perform tests that are not part of the workflow.

You must use the Deploy and Test scenario of the workflow.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed

- B. Build and Deploy
- C. Build Only
- D. Deploy Only

Answer: D

Question: 58

DRAG DROP

Match each type of test to its description. To answer, drag the appropriate type from the column on the left to its description on the right. Each type may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Description	Type of Test
includes unit tests and regression tests	<input type="text"/>
tests the basic functionality of all aspects of a project	<input type="text"/>
determines if the current version of an application is stable enough to proceed with further testing	<input type="text"/>

Answer:

Description	Type of Test
includes unit tests and regression tests	Build Verification Test
tests the basic functionality of all aspects of a project	Smoke Test
determines if the current version of an application is stable enough to proceed with further testing	Smoke Test

Question: 59

Which two types of logging are supported by the UI Automation Test Library? (Choose two.)

- A. XML
- B. HTML
- C. XPS
- D. Console

Answer: A, B

Question: 60

Which report is an important tool for monitoring the status of open defects in a project?

- A. Weekly Bug Summary
- B. Weekly Project Budget
- C. Weekly Project Schedule
- D. Weekly Test Plan Summary

Answer: A

Question: 61

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	Automated test scripts provide reliable, repeatable, and reusable testing of a software product.
<input type="radio"/>	<input type="radio"/>	Automated test scripts are a good way of performing regression testing.
<input type="radio"/>	<input type="radio"/>	Automated test scripts will need to be maintained as the code is changed.

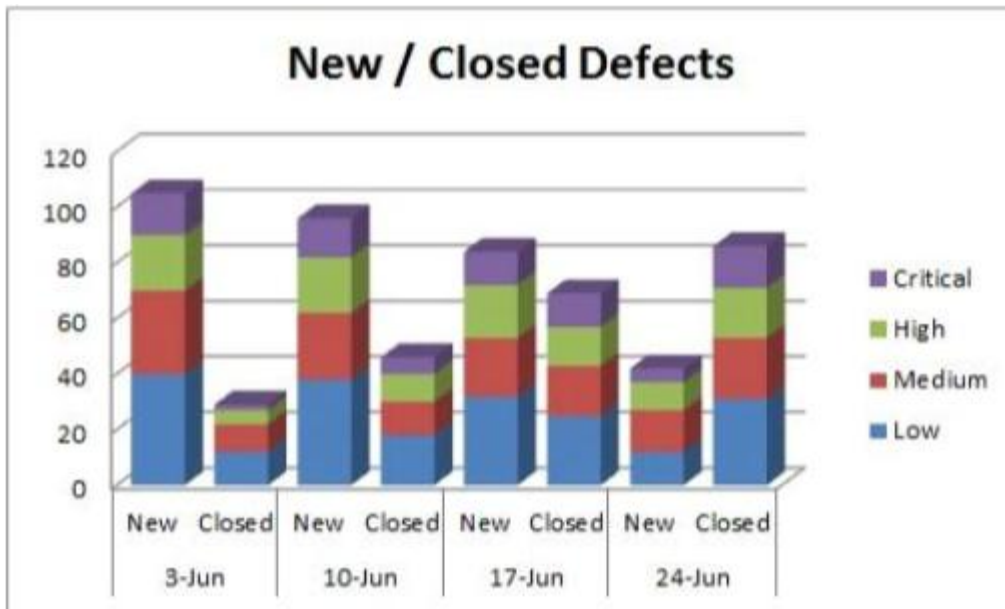
Answer:

Answer Area		
Yes	No	Description of Behavior
<input checked="" type="radio"/>	<input type="radio"/>	Automated test scripts provide reliable, repeatable, and reusable testing of a software product.
<input checked="" type="radio"/>	<input type="radio"/>	Automated test scripts are a good way of performing regression testing.
<input checked="" type="radio"/>	<input type="radio"/>	Automated test scripts will need to be maintained as the code is changed.

Question: 62

HOTSPOT

A weekly project report contains the following bar graph:



Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

The open rate for new defects is

The close rate for defects is

Answer Area

The open rate for new defects is

constant
decreasing
increasing

The close rate for defects is

constant
decreasing
increasing

Answer:

Answer Area

The open rate for new defects is

constant
 decreasing
 increasing

The close rate for defects is

constant
 decreasing
 increasing

Question: 63

You conduct exploratory tests for a software project by using Visual Studio 2012.
Which three statements regarding exploratory testing are correct? (Choose three.)

- A. You can collect exception and diagnostic tracing information from the client machines.
- B. You can collect system information about the client machines.
- C. You can create a video recording of the desktop.
- D. Exploratory testing can only be used with windows-based applications.
- E. You can automatically pass or fail tests based upon a recorded action script.

Answer: A, C, D

Question: 64

HOTSPOT

You view the following bug triage workbook on the team portal for a project:

ID	Priority	Severity	Title
1	1	2	Users cannot access the application during certain periods of each day.
2	1	4	Some user settings are not retained between sessions.
3	2	3	Users cannot access the application from mobile web browsers.
4	1	1	Saving new customer records throws an error.
5	3	3	Orders more than 90 days old are not displayed.

Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

ID number ... has the highest impact on both the project and the business.

ID number ... has the least impact on both the project and the business.

Answer Area

ID number ... has the highest impact on both the project and the business.

 1
 2
 3
 4
 5

ID number ... has the least impact on both the project and the business.

 1
 2
 3
 4
 5
Answer:**Answer Area**

ID number ... has the highest impact on both the project and the business.

 1
 2
 3
 4
 5

ID number ... has the least impact on both the project and the business.

 1
 2
 3
 4
 5
Question: 65

You are performing a step in a test case. The test case has the following specifications:

A return value of Supervisor

A response time of less than 5 seconds

When you perform the step, the return value is Supervisor, and the response time is 10 seconds.

Which item most accurately reports the results of this test step?

- A. Failed - Data Error
- B. Failed - Constraint Error
- C. Failed - Performance Error
- D. Passed - No Error

Answer: C**Question: 66**

You are triaging the bug summary reports and review two bugs named Bug ID 1 and Bug ID 2.
Bug ID 1 and Bug ID 2 are identical.
Which two steps should you take to relate the two bugs? (Choose two.)

- A. Add the defect ID of Bug ID 1 to Bug ID 2.
- B. Change the status of Bug ID 2 to duplicated.
- C. Change the status of both bug reports to duplicated.
- D. Change the status of Bug ID 1 to rejected.
- E. Change the priority of Bug ID 1 to duplicated.

Answer: B, D

Question: 67

HOTSPOT

For each of the following statements, select Agile if the statement applies to agile methodology. Otherwise, select Spiral if the statement applies to spiral methodology. Each correct selection is worth one point.

Answer Area

Agile	Spiral	Description of Behavior
<input type="radio"/>	<input type="radio"/>	This methodology has a fixed number of iterations.
<input type="radio"/>	<input type="radio"/>	This methodology focuses on building tests first.
<input type="radio"/>	<input type="radio"/>	This methodology utilizes daily stakeholder involvement.

Answer:

Answer Area

Agile	Spiral	Description of Behavior
<input type="radio"/>	<input checked="" type="radio"/>	This methodology has a fixed number of iterations.
<input checked="" type="radio"/>	<input type="radio"/>	This methodology focuses on building tests first.
<input checked="" type="radio"/>	<input type="radio"/>	This methodology utilizes daily stakeholder involvement.

Question: 68

This question requires that you evaluate the underlined text to determine if it is correct.

Short, iterative development cycles; flexible planning; and continual testing are all characteristics of a/an waterfall application lifecycle.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed

- B. Agile
- C. Top-down
- D. Spiral

Answer: B

Question: 69

This question requires that you evaluate the underlined text to determine if it is correct.

When there is no more physical memory available, data in memory is moved to the hibernation file.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Master boot record
- C. Swap file
- D. Temporary file folder

Answer: C

Question: 70

Which two items are measurements of software quality? (Choose two.)

- A. End-user acceptance testing
- B. Requirements analysis
- C. Program load time
- D. User interface responsiveness

Answer: CD

Question: 71

This question requires that you evaluate the underlined text to determine if it is correct.

Software testing ensures a known quantity of defects.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. That the application has no defects
- C. That users will accept the application
- D. That the application is high quality

Answer: A

Question: 72

HOTSPOT

You review an application used to manage cycling races. When a race is finished, the Finish method is called. You

have the following code. (Line numbers are included for reference only.)

```

01 public class FinishLine
02 {
03     [DllImport("User32.dll")]
04     public static extern int MessageBox(int h, string m, string c, int type);
05
06     public void Finish(Racer[] racers)
07     {
08         var leader = racers[0].Time;
09         var timings = racers.Select(r => new
10         {
11             Racer = r,
12             Behind = r.Time.Subtract(leader),
13         });
14
15         if (timings.Any(t => t.Behind.TotalMilliseconds < 5))
16             MessageBox(0, "Photo Finish", "Photo Finish", 0);
17     }
18
19     public class Racer
20     {
21         public TimeSpan Time;
22     }
23 }

```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	The timing enumeration code at line 15 will always run in the same amount of time.
<input type="radio"/>	<input type="radio"/>	Displaying the message box will always take the same amount of time.
<input type="radio"/>	<input type="radio"/>	Calling the Finish method can cause exceptions.

Answer:

Answer Area

Yes	No	Description of Behavior
<input type="radio"/>	<input checked="" type="radio"/>	The timing enumeration code at line 15 will always run in the same amount of time.
<input checked="" type="radio"/>	<input type="radio"/>	Displaying the message box will always take the same amount of time.
<input checked="" type="radio"/>	<input type="radio"/>	Calling the Finish method can cause exceptions.

Question: 73

You are an intern. You develop a web application.
 You must host it on your local machine.
 Which component must you install?

- A. Media Features
- B. Internet Information Services (IIS)
- C. Message Queuing (MSMQ)
- D. Network Protection

Answer: B

Question: 74

You are developing a web application by using C*.
You must store an undetermined number of usernames.
What should you use to store the data?

- A. String
- B. String []
- C. List<string>
- D. Long

Answer: C

Question: 75

This question requires that you evaluate the underlined text to determine if it is correct.
The first test that occurs after repairs have been made to a system is known as unit testing.
Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Black box testing
- C. Smoke testing
- D. White box testing

Answer: C

Question: 76

You are reviewing a test plan for an application that stores the results for certification exams in a database.
The success criterion is that when 450 simultaneous clients are connected to the database, an acceptable response time is maintained for all clients.
Which testing technique should you use?

- A. Black box
- B. White box
- C. Regression
- D. Integration

Answer: B

Question: 77

DRAG DROP

Match each testing type to its definition. To answer, drag the appropriate testing type from the column on the left to its definition on the right. Each testing type may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Testing Type	Type Definition
Load Testing	determines the throughput required to support the anticipated peak production load
Performance Testing	determines the speed, scalability, and stability characteristics of an application
Unit Testing	a test that targets a module of code where that module is any logical subset of the entire existing code base of the application
Smoke Testing	an initial run of a system test to see if your application can perform its operations under a normal load

Answer:

Testing Type	Type Definition
Load Testing	determines the throughput required to support the anticipated peak production load
Performance Testing	determines the speed, scalability, and stability characteristics of an application
Unit Testing	a test that targets a module of code where that module is any logical subset of the entire existing code base of the application
Smoke Testing	an initial run of a system test to see if your application can perform its operations under a normal load

Question: 78

Which two techniques are used to gather data when you are profiling an application? (Choose two.)

- A. Plug-in
- B. Instrumentation
- C. Sampling
- D. Editor extension point
- E. Interrupts

Answer: B, C

Explanation:

Reference:

<http://msdn.microsoft.com/en-us/library/dd255377.aspx>
Question: 79

This question requires that you evaluate the underlined text to determine if it is correct.

Localization testing checks the quality of the changes made to a product's user interface (UI) or configuration settings for a particular target culture/locale.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Accessibility
- C. Regression
- D. Performance

Answer: A

Question: 80

A system has the following requirements:

If the order total is equal to or more than \$50 and less than or equal to \$100, then a 2 percent discount is applied,

If the order total is more than \$100 and less than or equal to \$200, then a 5 percent discount is applied.

If the order total is more than \$200, then a 10 percent discount is applied.

How many conditions must you test?

- A. 0
- B. 1
- C. 3
- D. 5

Answer: D

Question: 81

DRAG DROP

Match each test with its definition. To answer, drag the appropriate test from the column on the left to its definition on the right. Each test may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Test	Definition
Unit test	tests the functionality of a single module or block of code
Acceptance test	tests the end-user's satisfaction with the application functionality
Integration test	tests the ability of the components of the application to function together
UI test	tests the usability of the application

Answer:

Test	Definition
Unit test	tests the functionality of a single module or block of code
Acceptance test	tests the end-user's satisfaction with the application functionality
Integration test	tests the ability of the components of the application to function together
UI test	tests the usability of the application

Question: 82

This question requires that you evaluate the underlined text to determine if it is correct.

The test configuration informs the tester of the setup that is required for the tests in a test plan.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Test case
- C. Test suite
- D. Expected test result

Answer: A

Question: 83

You are asked to develop an application that allows computer science students to easily post project status information to fellow project team members.

You need to design a user-centric test plan.

Which source will provide the requirements for your test plan?

- A. The students and project team members
- B. The application programming team
- C. The university Information Technology (IT) department
- D. The computer science faculty

Answer: A

Question: 84

A user input field must allow only numeric values from 1 to 10. You need to test the boundary conditions of the field.

Which values should you specify in the test case condition?

- A. Invalid alphabetic values, such as AA
- B. Every value from 0 to 99
- C. Every value from 1 to 10
- D. 0, 1, 10, and 11

Answer: A

Question: 85

HOTSPOT

You test an application by using Coded UI Tests.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	
<input type="radio"/>	<input type="radio"/>	You can instruct the tests to wait for certain events to occur during a coded UI test playback.
<input type="radio"/>	<input type="radio"/>	You can create Coded UI tests to test the entire user interface for the application
<input type="radio"/>	<input type="radio"/>	You must use Microsoft Test Manager to run Coded UI tests.

Answer:

Answer Area		
Yes	No	
<input checked="" type="radio"/>	<input type="radio"/>	You can instruct the tests to wait for certain events to occur during a coded UI test playback.
<input checked="" type="radio"/>	<input type="radio"/>	You can create Coded UI tests to test the entire user interface for the application
<input checked="" type="radio"/>	<input type="radio"/>	You must use Microsoft Test Manager to run Coded UI tests.

Question: 86

You use Microsoft Test Manager to test software projects.
What do test configurations specify?

- A. The number of computers on which you run tests
- B. The data that must be collected when you run tests
- C. The combination of hardware and software on which you run tests
- D. The portion of the project and build version that you test

Answer: C

Question: 87

Which three statements are characteristics of a good unit test? (Choose three.)

- A. Is very limited in scope
- B. Uses stubs or mock objects
- C. Includes environmental dependencies such as databases, file systems, networks, and queues
- D. Hides the expected results from the tester
- E. Runs and passes in isolation

Answer: B, C, E

Question: 88

You need to ensure that users can log in to an application and save user profile information. Which type of test should you create?

- A. White box test
- B. Unit test
- C. Feature test
- D. Regression test

Answer: C

Question: 89

This question requires that you evaluate the underlined text to determine if it is correct.

Finding bugs is a primary focus of user-centric testing.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Application usability
- C. Program optimization
- D. Validating results

Answer: B

Question: 90

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes	No	Description of Accessibility
<input type="radio"/>	<input type="radio"/>	Keyboard accessibility utilizes shortcuts, such as CTRL+X and CTRL+V, to test the accessibility of an application.
<input type="radio"/>	<input type="radio"/>	High contrast testing modifies the operating font size and font colors to test the accessibility of an application.
<input type="radio"/>	<input type="radio"/>	Narrator is a Windows tool that is used to test Assistive Technology Compatibility.

Answer:

Answer Area

Yes	No	Description of Accessibility
<input checked="" type="radio"/>	<input type="radio"/>	Keyboard accessibility utilizes shortcuts, such as CTRL+X and CTRL+V, to test the accessibility of an application.
<input checked="" type="radio"/>	<input type="radio"/>	High contrast testing modifies the operating font size and font colors to test the accessibility of an application.
<input checked="" type="radio"/>	<input type="radio"/>	Narrator is a Windows tool that is used to test Assistive Technology Compatibility.

Question: 91

You are an intern at a large clothing company.

You are creating a test plan for a web application that stores the results for shirt sizes in a database.

The success criterion is that page load time must be less than 2 seconds when 450 users are using the application.

Which testing technique should you use?

- A. White box
- B. Regression
- C. Integration
- D. Black box

Answer: D

Question: 92

You are developing a plan to test an application.

The test must run weekly and consists of step-by-step walkthroughs of major functionality.

Which testing technique should you use?

- A. Automated
- B. Ad hoc
- C. Regression
- D. Unit

Answer: A

Question: 93

This question requires that you evaluate the underlined text to determine if it is correct.

The bottom-up approach to integration testing requires testing along functional data and control-flow paths by testing bottom-up first, and then top-down.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Umbrella
- C. 360 degree
- D. Top-down

Answer: B

Question: 94

You are writing tests for an application that tracks model rocket launches. The application includes a function named Velocity that calculates the velocity of a launch, as shown in the following code. (Line numbers are included for reference only.)

```
01 public class SpeedCalculation
02 {
03     public double Velocity(Launch launch, TimeSpan time)
04     {
05         if (launch == null)
06             throw new Exception();
07
08         if (time.TotalMilliseconds < 0)
09             return double.Epsilon;
10
11         if (launch.Distance == 0)
12             return default(double);
13
14         return launch.Distance / time.TotalSeconds;
15     }
16
17     public class Launch
18     {
19         public int Distance;
20     }
21 }
```

You need to test that the Velocity function:

Throws an exception if the launch is null

Returns epsilon if the time is below the measurement threshold

Returns zero if the launch did not result in any movement

Returns the velocity as distance divided by total seconds

Which type of tests must you write?

- A. End-to-end
- B. Unit

- C. Integration
- D. Performance

Answer: B

Question: 95

Which three products must be installed to access Microsoft's built-in test reporting? (Choose three.)

- A. Microsoft Test Manager
- B. Team Foundation Server
- C. Visual Studio 2012
- D. Windows 8
- E. Internet Explorer

Answer: A, B, C

Question: 96

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	Challenges for Distributed Teams
<input type="radio"/>	<input type="radio"/>	Communicating across different time zones is a challenge for distributed teams.
<input type="radio"/>	<input type="radio"/>	Language and cultural differences are challenges for distributed teams.
<input type="radio"/>	<input type="radio"/>	Lack of face-to-face communication is a challenge for distributed teams.

Answer:

Answer Area		
Yes	No	Challenges for Distributed Teams
<input checked="" type="radio"/>	<input type="radio"/>	Communicating across different time zones is a challenge for distributed teams.
<input checked="" type="radio"/>	<input type="radio"/>	Language and cultural differences are challenges for distributed teams.
<input checked="" type="radio"/>	<input type="radio"/>	Lack of face-to-face communication is a challenge for distributed teams.

Question: 97

Visualizing the flow of work, limiting work in progress, managing flow, making policies explicit, implementing feedback loops, and improving collaboratively while evolving experimentally are all practices of which software development methodology?

- A. lean
- B. incremental
- C. spiral
- D. kanban

Answer: D

Question: 98

You partner with students from England, India, and Dubai on a project that uses the agile methodology. You need to ensure there are no risks to collaborating on the project. Which two items must you address to prevent risks to collaboration? (Choose two.)

- A. Creating test scripts
- B. Code reviews
- C. Stakeholder relations
- D. Communication issues

Answer: A, B

Question: 99

This question requires that you evaluate the underlined text to determine if it is correct. A good test plan defines measurable criteria at each project feasibility study. Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Milestone
- C. Status meeting
- D. Turnover

Answer: B

Question: 100

This question requires that you evaluate the underlined text to determine if it is correct. A document that defines the test item, the inputs and/or data, the execution conditions, and expected results is called a test case. Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Test plan
- C. Test run

D. Test configuration

Answer: A

Question: 101

DRAG DROP

Match each report to its definition. To answer, drag the appropriate report from the column on the left to its definition on the right. Each report may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Report	Definition
Failure Analysis Report	
Test Case Readiness Report	Shows the number of test cases that can be run and that have been run.
Test Plan Progress Report	Shows the number of test cases that have not been run, or are blocked, failed, or passed.
	Shows the number of tests that previously passed but do not currently pass.

Answer:

Report	Definition
Test Case Readiness Report	Shows the number of test cases that can be run and that have been run.
Test Plan Progress Report	Shows the number of test cases that have not been run, or are blocked, failed, or passed.
Failure Analysis Report	Shows the number of tests that previously passed but do not currently pass.

Question: 102

You are creating an application for the Computer Science department at your school that allows computer science staff and faculty to collaborate with their graduate and undergraduate students.

You need to design a user-centric testing plan.

Which three populations should be the target of your testing plan? (Choose three.)

- A. University Information Technology (IT) staff
- B. Computer Science administration staff
- C. Computer Science undergraduates
- D. Computer Science faculty
- E. You and your team of developers

Answer: A, C, D

Question: 103

A system has the following requirements:

If the order total is equal to or more than \$50 and less than or equal to \$100, then a 2 percent discount is applied.
If the order total is more than \$100 and less than or equal to \$200, then a 5 percent discount is applied.
If the order total is \$200 or more, then a 10 percent discount is applied.
How many partitions must you test?

- A. 0
- B. 3
- C. 4
- D. 5

Answer: B

Question: 104

Which item should be used to simulate error conditions during a unit test without causing errors on a live system?

- A. Stress tests
- B. Mock objects
- C. Manual tests
- D. Database resources

Answer: B

Question: 105

This question requires that you evaluate the underlined text to determine if it is correct.

A developer writes test hooks, or hidden messages, into an application so that the tester can use them to produce a desired effect.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Mock objects
- C. Unit tests
- D. Use cases

Answer: A

Question: 106

This question requires that you evaluate the underlined text to determine if it is correct.

Test coverage measures, in some specific way, the amount of testing performed by a set of tests.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Testability
- C. Test planning
- D. Test implementation

Answer: A

Question: 107

Which item should be used to test multiple scenarios to validate specific sets of behaviors?

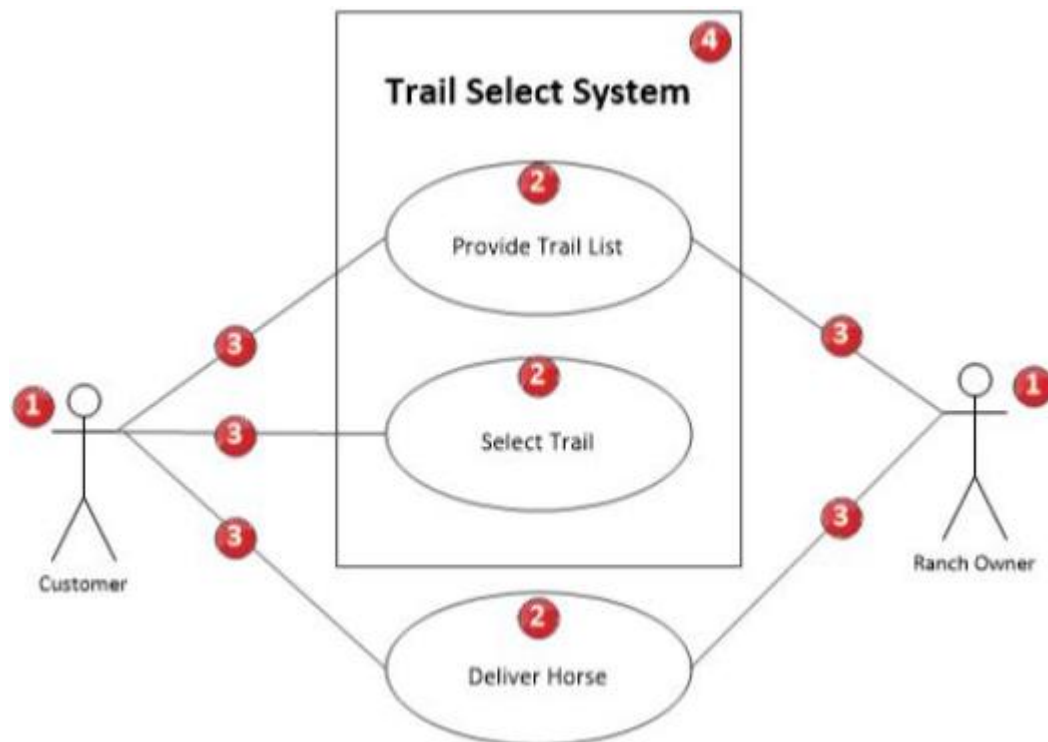
- A. A test case
- B. A test harness
- C. A test suite
- D. A test scenario

Answer: C

Question: 108

HOTSPOT

You have the following use case diagram:



Use the drop-down menus to answer each question. Each correct selection is worth one point.

Answer Area

Shape #1 represents a/an

Shape #2 represents a/an

Shape #3 represents a/an

Shape #4 represents a/an

Answer Area

Shape #1 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Shape #2 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Shape #3 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Shape #4 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Answer:

Answer Area

Shape #1 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Shape #2 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Shape #3 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Shape #4 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Question: 109

This question requires that you evaluate the underlined text to determine if it is correct.

Scope describes how important it is to fix a defect, or how quickly a defect must be fixed.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Effect level
- C. Priority
- D. Severity

Answer: C**Question: 110**

What is the last step that must be performed before you can close a bug?

- A. The bug is assigned a severity and priority.
- B. The bug is assigned to a developer for correction.
- C. The tester re-tests the bug and verifies it is fixed.
- D. The developer reports that the bug is fixed.

Answer: A

Question: 111

DRAG DROP

You are testing a custom application for mobile devices.

Match each severity to its description. To answer, drag the appropriate severity from the column on the left to its description on the right. Each severity may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area		
	Severity	Description
Critical		The defect causes the application to terminate unexpectedly.
Major		The defect causes a severe degradation to the performance of the application.
Minor		The defect makes the application more difficult to use, but does not otherwise impact the application.
Trivial		The defect should be fixed, but has no ramifications on running the application.

Answer:

Severity	Description
Critical	The defect causes the application to terminate unexpectedly.
Major	The defect causes a severe degradation to the performance of the application.
Minor	The defect makes the application more difficult to use, but does not otherwise impact the application.
Trivial	The defect should be fixed, but has no ramifications on running the application.

Question: 112

A tester describes a defect as follows:

The defect allows the application to continue normally.

The defect severely impacts the performance of the application.

What severity is this defect?

- A. Major
- B. Minor
- C. Trivial

D. Critical

Answer: B**Question: 113**

You create code that calculates the speed of a vehicle by using the following formula:

Speed = Miles / Hours

When the code runs, the application throws a divide by zero exception.

Which type of error is thrown by the application?

- A. Compile error
- B. Logic error
- C. Run-time error
- D. Syntax error

Answer: C**Question: 114**

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		Description of Programming Language
Yes	No	
<input type="radio"/>	<input type="radio"/>	JavaScript is an interpreted language.
<input type="radio"/>	<input type="radio"/>	C# is an interpreted language.
<input type="radio"/>	<input type="radio"/>	Python is an interpreted language.

Answer:

Answer Area		Description of Programming Language
Yes	No	
<input checked="" type="radio"/>	<input type="radio"/>	JavaScript is an interpreted language.
<input type="radio"/>	<input checked="" type="radio"/>	C# is an interpreted language.
<input checked="" type="radio"/>	<input type="radio"/>	Python is an interpreted language.

Question: 115

This question requires that you evaluate the underlined text to determine if it is correct.

A static language allows for changes in program behavior during runtime without regard to method signatures.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

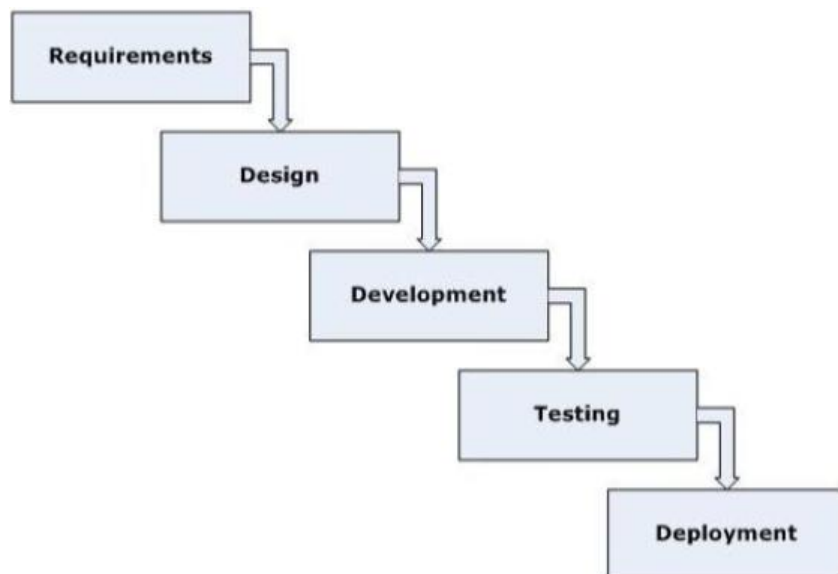
- A. No change is needed
- B. Concurrent
- C. Domain specific
- D. Dynamic

Answer: D

Question: 116

HOTSPOT

An overview document for a project contains the following graphic of the proposed project lifecycle:



Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

This graphic is an example of the ... of software testing.

This graphic demonstrated that the testing cycle ...

Answer Area

This graphic is an example of the ... of software testing.

agile model
spiral model
waterfall model

This graphic demonstrated that the testing cycle ...

begins only when development of the product is complete.
occurs continually throughout the project lifecycle.
occurs iteratively at a number of stages throughout the project lifecycle.

Answer:

Answer Area

This graphic is an example of the ... of software testing.

agile model
spiral model
waterfall model

This graphic demonstrated that the testing cycle ...

begins only when development of the product is complete.
occurs continually throughout the project lifecycle.
occurs iteratively at a number of stages throughout the project lifecycle.

Question: 117

This question requires that you evaluate the underlined text to determine if it is correct.

The operating system determines when applications have the use of the CPU.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Interrupt infrastructure
- C. Memory bus
- D. Real-time clock (RTC)

Answer: A

Question: 118

This question requires that you evaluate the underlined text to determine if it is correct.

Program load time is an indicator that can be used to quantify software quality.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. End-user testing
- C. Requirements gathering
- D. User acceptance testing

Answer: A

Question: 119

This question requires that you evaluate the underlined text to determine if it is correct.

In software testing, the degree to which the solution has been tested is called code coverage.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Functional coverage
- C. Statement coverage
- D. State coverage

Answer: A

Question: 120

A computer science student creates a plain text editor for a class project. The core functionality of the application includes:

Create and edit documents

Store and retrieve documents

Copy to and paste text from documents

You need to create a build verification test suite for the application.

Which two test cases should you include in the test suite? (Choose two.)

A. Sending a document by using email

B. Saving a document

C. Copying text from a document

D. Printing a document

Answer: BC

Question: 121

This question requires that you evaluate the underlined text to determine if it is correct.

PeVerify.exe is used to run automated tests of Windows applications from the command line.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

A. No change is needed

B. MDbg.exe

C. MSTest.exe

D. wCFTestClient.exe

Answer: C

Question: 122

DRAG DROP

Match each Microsoft Test Manager component to its description. To answer, drag the appropriate component from the column on the left to its description on the right. Each component may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Test Controller	
Test Agent	
Description	Microsoft Test Manager Component
distribute and Manage tests remotely	
install Software	
run Tests	
collect Test Data	

Answer:

Description	Microsoft Test Manager Component
distribute and Manage tests remotely	Test Controller
install Software	Test Agent
run Tests	Test Agent
collect Test Data	Test Agent

Question: 123

Which two tools can you use to set automated test priority? (Choose two.)

- A. MSTest.exe
- B. vSTest.Console.exe
- C. Visual Studio 2012
- D. Microsoft Test Manager

Answer: A, D

Question: 124

You are using Microsoft Visual Studio Unit Test Framework.
What are the two minimum requirements for a test class? (Choose two.)

- A. One of the methods must have the TestCategory attribute.
- B. The class must have the TestInitialize attribute.
- C. The class must have the TestClass attribute.

D. One of the methods must have the TestMethod attribute.

Answer: C, D

Explanation:

Reference:

<http://msdn.microsoft.com/en-us/library/ms182532.aspx>

98-379 VB Questions:

Question: 1

This question requires that you evaluate the underlined text to determine if it is correct.

The weekly testing status report is part of the project charter.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Backlog
- C. Project communication plan
- D. Sprint documents

Answer: C

Question: 2

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	Description of Test Scripts
<input type="radio"/>	<input type="radio"/>	A test script is a set of instructions.
<input type="radio"/>	<input type="radio"/>	A test script can be run by using automated testing.
<input type="radio"/>	<input type="radio"/>	A test script contains the expected results.

Answer:

Answer Area		
Yes	No	Description of Test Scripts
<input checked="" type="checkbox"/>	<input type="radio"/>	A test script is a set of instructions.
<input checked="" type="checkbox"/>	<input type="radio"/>	A test script can be run by using automated testing.
<input checked="" type="checkbox"/>	<input type="radio"/>	A test script contains the expected results.

Question: 3

You partner with students from Mexico, India, and the United Arab Emirates on a project that uses the agile methodology.

Which two items are risks to good communication? (Choose two.)

- A. Language differences
- B. Cultural differences
- C. Requirements gathering
- D. Intellectual property

Answer: A, B

Question: 4

You are using the agile methodology.

The role of the person responsible for maintaining the agile process is called the:

- A. ScrumMaster
- B. Product owner
- C. User story
- D. Stakeholder

Answer: A

Question: 5

This question requires that you evaluate the underlined text to determine if it is correct.

Visual Studio saves test result data in a .txt file.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. .dat
- C. .tst
- D. .trx

Answer: D

Question: 6

Which three tools mitigate communication problems when working with distributed teams? (Choose three.)

- A. Automated daily builds
- B. Teleconferencing
- C. Automated test scripting
- D. Daily hand-off reports
- E. Instant messaging

Answer: A, B, C

Question: 7

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	Description of Exit Criteria
<input type="radio"/>	<input type="radio"/>	Exit criteria are the set of conditions that must be met before an application will be released.
<input type="radio"/>	<input type="radio"/>	Exit criteria are used to define the condition under which the application will terminate normally.
<input type="radio"/>	<input type="radio"/>	Exit criteria describe the actions that must be taken by the end-user to successfully exit the application.

Answer:

Answer Area		
Yes	No	Description of Exit Criteria
<input checked="" type="radio"/>	<input type="radio"/>	Exit criteria are the set of conditions that must be met before an application will be released.
<input type="radio"/>	<input checked="" type="radio"/>	Exit criteria are used to define the condition under which the application will terminate normally.
<input type="radio"/>	<input checked="" type="radio"/>	Exit criteria describe the actions that must be taken by the end-user to successfully exit the application.

Question: 8

What does a sprint task hour burndown chart display?

- A. The actual remaining hours of work for the sprint
- B. The actual hours of work expended for the sprint
- C. The estimated remaining hours of work for the sprint
- D. The estimated hours of work expended for the sprint

Answer: C

Question: 9

DRAG DROP

Match each status to its test step. To answer, drag the appropriate status from the column on the left to its test step on the right. Each status may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area				
	Test Step	Expected Result	Actual Result	Status
Pass	Enter 1899 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	Proper prompt is displayed; Response time: 500 ms	
Fail – Performance error	Enter 1948 in the birth year field	"65" is displayed in the Age field; Response time less than 1 sec	"65" is displayed in the Age field; Response time: 1500 ms	
Fail – Constraint error	Enter 2033 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	"-20" is displayed in the Age field; Response time: 750 ms	
Fail – Logic error	Enter "AAAA" in the birth year field	Prompt is displayed: "Please enter a valid year"; Response time less than 1 sec	Proper prompt is displayed; Response time: 300 ms	

Answer:

Test Step	Expected Result	Actual Result	Status
Enter 1899 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	Proper prompt is displayed; Response time: 500 ms	Pass
Enter 1948 in the birth year field	"65" is displayed in the Age field; Response time less than 1 sec	"65" is displayed in the Age field; Response time: 1500 ms	Fail – Performance error
Enter 2033 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	"-20" is displayed in the Age field; Response time: 750 ms	Fail – Constraint error
Enter "AAAA" in the birth year field	Prompt is displayed: "Please enter a valid year"; Response time less than 1 sec	Proper prompt is displayed; Response time: 300 ms	Pass

Question: 10

When you log a bug, which two items should you include in the bug report to reproduce the bug? (Choose two.)

- A. The severity of bug
- B. The actions leading up to the bug
- C. The author of the code
- D. A description of the actual results

Answer: A, B**Question: 11**

You need to show the rolling average of the number of bugs that the testing team has opened, resolved, and closed. Which report should you show?

- A. Bug status
- B. Bug trend
- C. Burn rate
- D. Build quality indicators

Answer: B

Question: 12

You use Microsoft Test Manager to test a solution.

Which two statements about using test cases in Microsoft Test Manager are correct? (Choose two.)

- A. You must define test cases by using Microsoft Test Manager.
- B. You can share steps between different test cases.
- C. You need to add all fields to a test case when you create the test case.
- D. You can add attachments and hyperlinks to test cases.

Answer: BD

Explanation:

Reference:

[http://msdn.microsoft.com/en-us/library/vstudio/dd380712\(v=vs.110\).aspx](http://msdn.microsoft.com/en-us/library/vstudio/dd380712(v=vs.110).aspx)

Question: 13

This question requires that you evaluate the underlined text to determine if it is correct.

Severity describes how much a defect affects an application

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Effect level
- C. Scope
- D. Priority

Answer: A

Question: 14

This question requires that you evaluate the underlined text to determine if it is correct.

Bug convergence is the point at which the number of bugs resolved exceeds the number of bugs found.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Baseline
- C. Burndown
- D. Code coverage

Answer: A

Question: 15

HOTSPOT

You are asked to train an intern to create bug reports by using Team Foundation Server (TFS). You review the following bug report your intern created:

Title: State not displaying

STATUS		CLASSIFICATION		PLANNING	
Assigned To:		Area:		Severity:	Sev 2
State:	Reviewing	Iteration:	\Release	Priority:	2
Reason:	Not fixed	Application:	Browse	Need By Date:	
On Hold?:	No	Type:		Stack Rank:	
Blocked By:		Test Type:	Automated	Release:	
Blocking:		Found During:	Beta Testing		
		Performance Defect:			
		Business Program:			

[REPRO STEPS](#)
[SYSTEM INFO](#)
[ROOT CAUSE DETAILS](#)
[FIX](#)
[OTHER](#)
[USER DEFINED FIELDS](#)
[HISTORY/COMMENTS](#)
[TEST](#)

Repro Steps:

Segue UI 2 B / U [Icons]

When selecting United States from the country drop down, the states do not populate. Choosing other countries (UK, Canada, etc.) works fine.

History:

Type your comment here.

[DISCUSSION ONLY](#) [ALL C](#)

When this bug occurs, the user cannot continue using the application.

Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

The most likely cause of this defect is a/an ... issue.

The Blocking: field should be set to

Answer Area

The most likely cause of this defect is a/an ... issue.

data
environment
security
user interface

The Blocking: field should be set to

Yes
No

Answer:**Answer Area**

The most likely cause of this defect is a/an ... issue.

data
environment
security
user interface

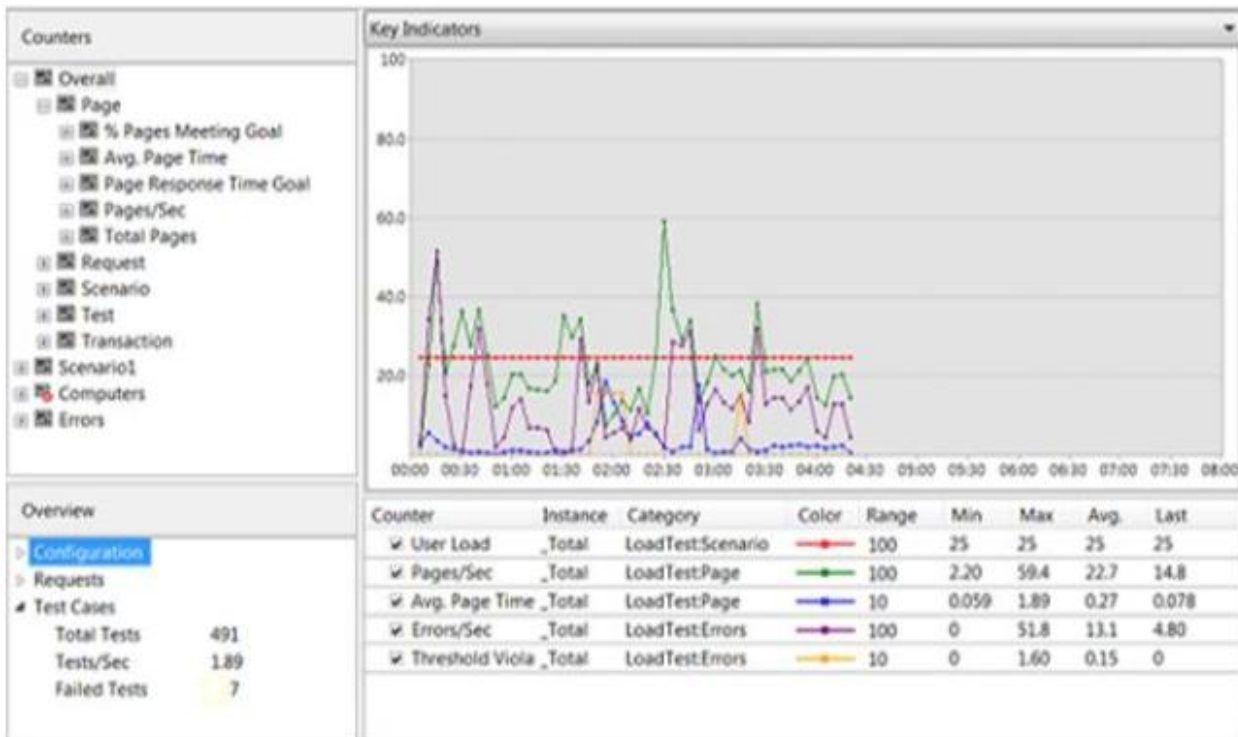
The Blocking: field should be set to

Yes
No

Question: 16

HOTSPOT

You run a load test in Microsoft Test Manager. You monitor performance counters by using the Load Test Analyzer. The following graphic displays representative data:



Use the drop-down lists to complete each statement. Each correct selection is worth one point.

Answer Area

The load test uses the ... pattern.

In general, the percentage of errors per second ... as the number of pages rendered increases.

Answer Area

The load test uses the ... pattern.

step
constant
goal-based

In general, the percentage of errors per second ... as the number of pages rendered increases.

decreases
increases
remains the same

Answer:

Answer Area

The load test uses the ... pattern.

☒ step
☒ constant
☐ goal-based

In general, the percentage of errors per second ... as the number of pages rendered increases.

☐ decreases
☐ increases
☒ remains the same

Question: 17

This question requires that you evaluate the underlined text to determine if it is correct.

Bug tracking is the process of assigning severity and priority to a reported bug.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Logging
- C. Resolution
- D. Triage

Answer: D

Question: 18

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes	No	Statement
<input type="radio"/>	<input type="radio"/>	Coded user interface tests can be automated.
<input type="radio"/>	<input type="radio"/>	Unit tests can be automated.
<input type="radio"/>	<input type="radio"/>	Load tests can be automated.

Answer:

Answer Area		
Yes	No	Statement
<input checked="" type="radio"/>	<input type="radio"/>	Coded user interface tests can be automated.
<input checked="" type="radio"/>	<input type="radio"/>	Unit tests can be automated.
<input checked="" type="radio"/>	<input type="radio"/>	Load tests can be automated.

Question: 19

You are using Microsoft Test Manager to run automated tests in a virtual environment. What are two of the advantages of using a virtual environment? (Choose two.)

- A. Virtual environments can run multiple copies of testing environments.
- B. Virtual environments allow for easy debugging of code.
- C. Virtual environments make error reporting easier.
- D. Virtual environments can store a snapshot of the environment.

Answer: A, D

Question: 20

You are using Microsoft Test Manager to run automated tests in a virtual environment. If a script fails, which three actions can you perform in Microsoft Test Manager? (Choose three.)

- A. Abort
- B. Retry
- C. Skip
- D. Save
- E. Continue

Answer: A, B, C

Question: 21

DRAG DROP

You are testing a software development project.

You need to determine which tests you should run manually and which tests should be automated.

Match each type of test to its test case. To answer, drag the appropriate type from the column on the left to its test case on the right. Each type may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Test Case	Type of Test
Identify incorrect return values.	<input type="text"/>
Identify usability issues.	<input type="text"/>
Detect application hangs and crashes.	<input type="text"/>

Answer:

Test Case	Type of Test
Identify incorrect return values.	<input type="text" value="automated test"/>
Identify usability issues.	<input type="text" value="manual test"/>
Detect application hangs and crashes.	<input type="text" value="automated test"/>

Question: 22

You are using Test-Driven Development. Automated unit tests should be designed:

- A. During final user acceptance testing.
- B. After the coding milestone has been met.
- C. Before the code that is being tested has been written.
- D. At the same time as the code that is being tested.

Answer: D

Question: 23

HOTSPOT

Which features does Visual Studio Lab Management support? For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes

No

☐☐

You can use physical machines in addition to virtual machines.

☐☐

You can run both manual and automated tests.

☐☐

You can save the state of lab environments.

Answer:

Answer Area

Yes

No

☒☐

You can use physical machines in addition to virtual machines.

☒☐

You can run both manual and automated tests.

☒☐

You can save the state of lab environments.

Question: 24

DRAG DROP

Match each diagram to its description in the requirements model. To answer, drag the appropriate diagram from the column on the left to its description on the right. Each diagram may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Diagram	Description
Activity Diagram	who uses the system and what they do with it
Use Case Diagram	glossary of types that are used to describe the requirements; the types visible at the system's interface
Sequence Diagram	flow of work and information between activities performed by users and a system or its parts
Conceptual Class Diagram	sequence of interactions between users and a system or its parts

Answer:

Diagram	Description
Use Case Diagram	who uses the system and what they do with it
Conceptual Class Diagram	glossary of types that are used to describe the requirements; the types visible at the system's interface
Activity Diagram	flow of work and information between activities performed by users and a system or its parts
Sequence Diagram	sequence of interactions between users and a system or its parts

Question: 25

This question requires that you evaluate the underlined text to determine if it is correct.

You are creating a performance test plan.

The first step is to design tests.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Define the acceptance criteria
- C. Inspect the application code
- D. Run the application

Answer: B

Question: 26

As part of a development team in a test-driven development environment, you are given the requirements for a new software system.

What should you do first?

- A. Write a user story for the system.
- B. Write a test case for the new system.
- C. Implement the system in the code.
- D. Run all existing test cases to validate they succeed.

Answer: B

Question: 27

DRAG DROP

You create work items to test the features of an application.

Match each work item type to its description. To answer, drag the appropriate work item type from the column on the left to its description on the right. Each work item type may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
bug	Work Item Type Description
feature	potential problems that exist in the code
task	additional or new functionality that is added to the project
test case	communicates the need to do some work

Answer:

Work Item Type	Description
bug	potential problems that exist in the code
feature	additional or new functionality that is added to the project
task	communicates the need to do some work

Question: 28

A system has the following requirement:

Patients should be sent to the Emergency Room if their respiratory rate is ≥ 20 and their age is ≥ 65 .

How many test cases should you write to test all combinations of conditions?

- A. 0
- B. 2
- C. 4
- D. 9

Answer: D

Question: 29

This question requires that you evaluate the underlined text to determine if it is correct.

A user story is a documented set of steps that determine if a particular feature of an application is performing properly.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Test case
- C. Test report
- D. Test suite

Answer: B

Question: 30

How many test plans are created in projects that use an agile methodology?

- A. One master test plan
- B. One test plan for each sprint
- C. Multiple test plans for each sprint
- D. One master test plan and one test plan for each sprint

Answer: D

Question: 31

This question requires that you evaluate the underlined text to determine if it is correct.

In a use case diagram, the association between an actor and a use case can show a generalization at each end.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Alternative
- C. Multiplicity
- D. Subsystem boundary

Answer: C

Question: 32

This question requires that you evaluate the underlined text to determine if it is correct.

Fault tolerance is a redundancy technique that completely hides errors within a set of redundant modules.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Fault masking
- C. Exception handling
- D. Regression testing

Answer: B

Question: 33

This question requires that you evaluate the underlined text to determine if it is correct.

Test-driven development is a feature of certain forms of waterfall software development lifecycles.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Agile
- C. Spiral
- D. Top-down

Answer: B

Question: 34**HOTSPOT**

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes

No

☐☐

The ver command will display the current version of your Windows operating system.

☐☐

Windows Store Apps can be run on any Windows operating system.

☐☐

Windows 8 has both 32- and 64-bit versions.

Answer:**Answer Area**

Yes

No

☒☐

The ver command will display the current version of your Windows operating system.

☐☒

Windows Store Apps can be run on any Windows operating system.

☒☐

Windows 8 has both 32- and 64-bit versions.

Question: 35

This question requires that you evaluate the underlined text to determine if it is correct.

Software testing measures aspects of the development team.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Application
- C. Development schedule
- D. Potential market

Answer: B**Question: 36**

You review an application to manage 5K races. The application includes a method named Match to associate racers based on rank. (Line numbers are included for reference only.)

```

01 Public Class Matcher
02     Public Sub Match(racers As Racer())
03         For Each racer In racers
04             Dim rank = racer.Rank
05             For Each pair In racers
06                 If pair.Rank = rank Then
07                     SetupRace(pair, racer)
08                 End If
09             Next
10         Next
11     End Sub
12
13 Public Class Racer
14     Public Rank As Integer
15     Public Name As String
16 End Class
17
18 Private Sub SetupRace(pair As Racer, racer As Racer)
19 End Sub
20 End Class

```

When the number of racers passed to the method doubles, by what factor does the number of iterations to find a match increase?

- A. 1
- B. 2
- C. 4
- D. 10

Answer: C

Question: 37

This question requires that you evaluate the underlined text to determine if it is correct.

The participants of a project that uses agile methodology write a test plan once during the entire project.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Extreme programming (XP)
- C. Spiral
- D. Waterfall

Answer: D

Question: 38

This question requires that you evaluate the underlined text to determine if it is correct.

A project that uses spiral methodology allows for incremental refinement through each cycle.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed

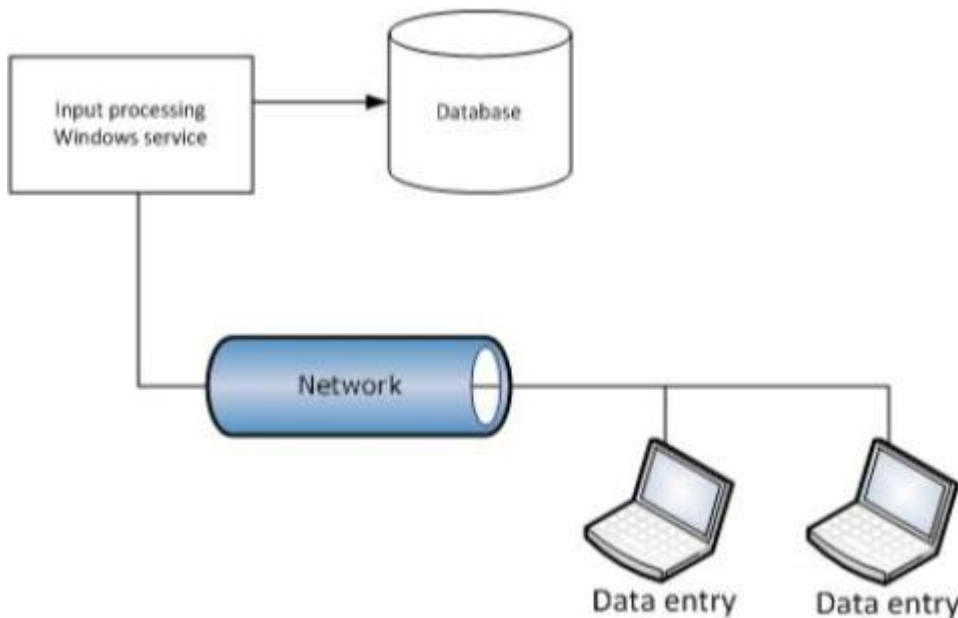
- B. Top-down
- C. Bottom-up
- D. Waterfall

Answer: A

Question: 39

HOTSPOT

You develop an application to collect and record the grades for students at your university. The application interacts with data entry systems over the Internet as described in the following diagram.



Use the drop-down menus to complete the statements. Each correct selection is worth one point.

Answer Area

Input data arriving at the input processing Windows service is received from the ...

Transient network failures can occur between ...

Answer Area

Input data arriving at the input processing Windows service is received from the ...

network
database
data entry notebook

Transient network failures can occur between ...

instances of the data entry application
the input processing Windows service and the database
the data entry application and the input processing Windows service

Answer:

Answer Area

Input data arriving at the input processing Windows service is received from the ...

network
database
data entry notebook

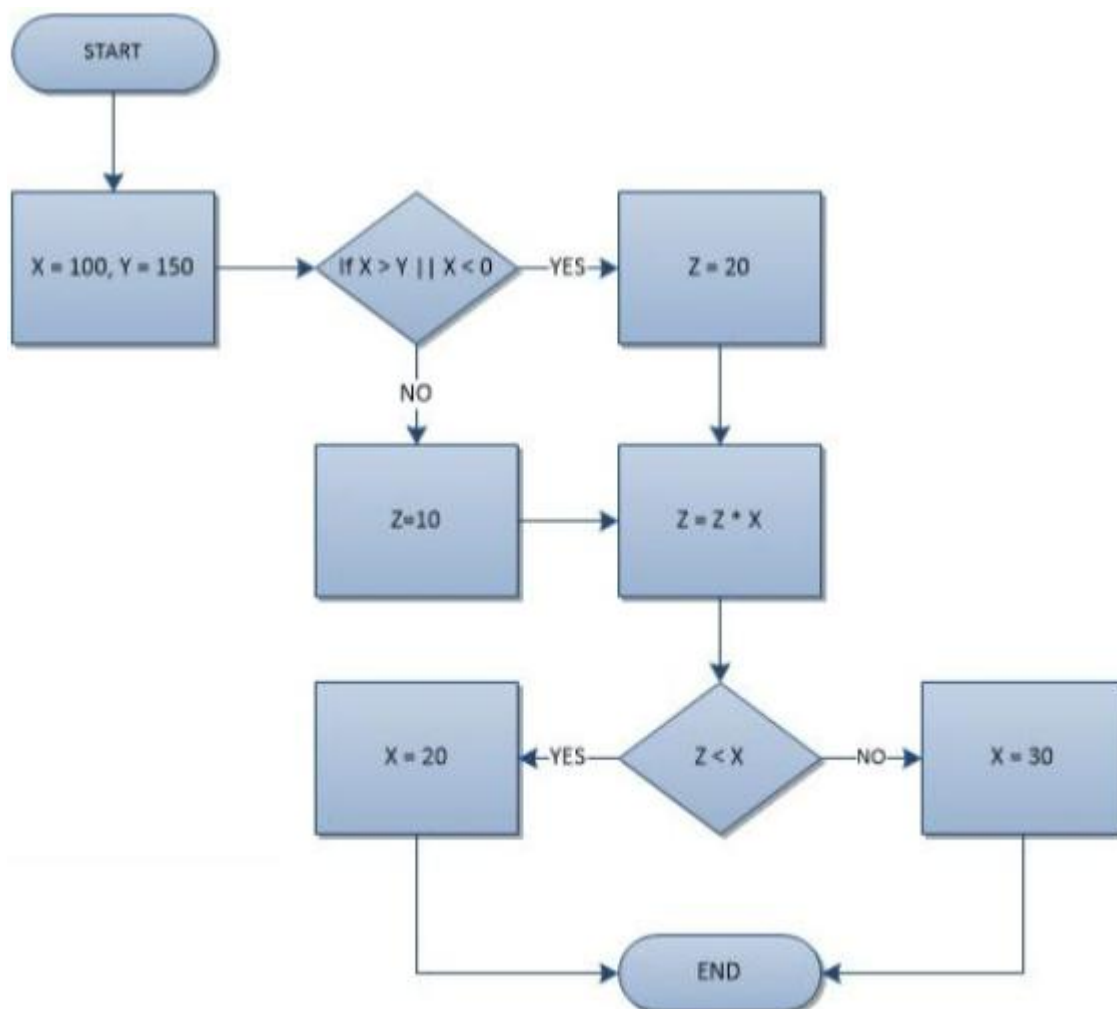
Transient network failures can occur between ...

instances of the data entry application
the input processing Windows service and the database
the data entry application and the input processing Windows service

Question: 40

HOTSPOT

You have the following flow chart:



Use the drop-down menus to answer each question. Each correct selection is worth one point.

Answer Area

What is the value of X?

What is the value of Z?

Answer Area

What is the value of X?

20
30
100

What is the value of Z?

10
1000
2000

Answer:

Answer Area

What is the value of X?

20
30
100

What is the value of Z?

10
1000
2000

Question: 41

You are developing an application Co track the migration patterns of birds.
The application must support 250 simultaneous users.
How should you test for this requirement?

- A. Perform regression testing.
- B. Limit the functionality of the application.
- C. Host the application on a cluster.
- D. Perform load testing.

Answer: D

Question: 42

This question requires that you evaluate the underlined text to determine if it is correct.

Localization testing is used to prevent the reappearance of bugs.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Accessibility
- C. Functional
- D. Regression

Answer: D

Question: 43

You are identifying the approach and techniques to use when testing a system. Each build of the system will require retesting over 5000 test cases.

A new build of the system is performed every two days.

You must fully retest all 5000 test cases before the next build is complete.

Which two testing techniques should you use? (Choose two.)

- A. Regression testing
- B. Manual testing
- C. Automated testing
- D. Stress testing

Answer: A, C

Question: 44

DRAG DROP

Match the testing technique to the logical number of functions it can test. To answer, drag the appropriate testing technique from the column on the left to the logical number of functions tested on the right. Each technique may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Testing Technique	Logical Number of Functions Tested
Unit	A single function
Component	Multiple functions
Integration	Multiple modules

Answer:

Testing Technique	Logical Number of Functions Tested
Unit	A single function
Component	Multiple functions
Integration	Multiple modules

Question: 45

You are writing tests for an application that tracks the results of car races. The application includes a function named `GetResults` that returns the results for a race with a given name, as shown in the following code. (Line numbers are included for reference only.)

```

01 Public Class Loader
02     Public Function GetResults(raceName As String) As List(Of RaceResult)
03         Dim conn = New SqlCommand("sp_GetResults")
04         conn.Parameters.Add("name", raceName)
05         Dim reader = conn.ExecuteReader()
06         Dim hasResults = reader.Read()
07
08         If Not hasResults Then
09             Throw New ArgumentException()
10         End If
11
12         Dim result = New List(Of RaceResult) ()
13         Do
14             result.Add(New RaceResult() With {
15                 .RaceName = raceName,
16                 .Data = reader.GetSqlXml(0)
17             })
18         Loop While reader.Read()
19
20         Return result
21     End Function
22
23 Public Class RaceResult
24     Public Property RaceName() As String
25     Private m_RaceName As String
26     Public Property Data() As SqlXml
27     Private m_Data As SqlXml
28 End Class
29 End Class

```

You need to test that the `GetResults` function creates a `RaceResult` object containing the race name and data for each race result stored in the database.

What type of test must you use?

- A. Performance
- B. Stress
- C. Unit
- D. Integration

Answer: D

Question: 46

You have the following code. (Line numbers are included for reference only.)

```
01 <TestMethod>
02 <ExpectedException(GetType(ArgumentException))>
03 Public Sub Withdraw_AmountMoreThanBalance_Throws()
04     Dim account = New CheckingAccount("Oliver", 10.0)
05     account.Withdraw(11.0)
06 End Sub
```

Which exception must be thrown in order for the test case to pass?

- A. ExpectedException
- B. System.Exception
- C. InvalidArgumentException
- D. ArgumentException

Answer: D

Question: 47

During a beta period, a beta tester reports that input provided to a form does not return the expected result. The beta tester has no knowledge of the internal logic of the form.

What is this testing technique known as?

- A. Black box testing
- B. Acceptance testing
- C. Gray box testing
- D. White box testing

Answer: A

Question: 48

You need to ensure that users can log in to an application and save user profile information.

Which type of test should you create?

- A. Regression test
- B. Unit test
- C. Feature test
- D. White box test

Answer: C

Question: 49

A user input field must allow only numeric values from 1 to 10. You need to test the boundary conditions of the field. Which values should you specify in the test case condition?

- A. Every value from 0 to 99

- B. 0, 1, 10, and 11
- C. Every value from 1 to 10
- D. Invalid alphabetic values, such as AA

Answer: B

Question: 50

This question requires that you evaluate the underlined text to determine if it is correct.

The test configuration informs the tester of the setup that is required for the tests in a test plan.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Test case
- C. Test suite
- D. Expected test result

Answer: A

Question: 51

A system has the following requirements:

If the order total is equal to or more than \$50 and less than or equal to \$100, then a 2 percent discount is applied.

If the order total is more than \$100 and less than or equal to \$200, then a 5 percent discount is applied.

If the order total is more than \$200, then a 10 percent discount is applied.

How many conditions must you test?

- A. 0
- B. 1
- C. 3
- D. 5

Answer: D

Question: 52

Which three statements are characteristics of a good unit test? (Choose three.)

- A. Is very limited in scope
- B. Uses stubs or mock objects
- C. Includes environmental dependencies such as databases, file systems, networks, and queues
- D. Hides the expected results from the tester
- E. Runs and passes in isolation

Answer: B, C, E

Question: 53

You use Microsoft Test Manager to test software projects.
What do test configurations specify?

- A. The data that must be collected when you run tests
- B. The number of computers on which you run tests
- C. The portion of the project and build version that you test
- D. The combination of hardware and software on which you run tests

Answer: D

Question: 54

HOTSPOT

You test an application by using Coded UI Tests.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	
<input type="radio"/>	<input type="radio"/>	You can instruct the tests to wait for certain events to occur during a coded UI test playback.
<input type="radio"/>	<input type="radio"/>	You can create Coded UI tests to test the entire user interface for the application
<input type="radio"/>	<input type="radio"/>	You must use Microsoft Test Manager to run Coded UI tests.

Answer:

Answer Area		
Yes	No	
<input checked="" type="radio"/>	<input type="radio"/>	You can instruct the tests to wait for certain events to occur during a coded UI test playback.
<input checked="" type="radio"/>	<input type="radio"/>	You can create Coded UI tests to test the entire user interface for the application
<input checked="" type="radio"/>	<input type="radio"/>	You must use Microsoft Test Manager to run Coded UI tests.

Question: 55

This question requires that you evaluate the underlined text to determine if it is correct.

Finding bugs is a primary focus of user-centric testing.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Application usability
- C. Program optimization
- D. Validating results

Answer: B

Question: 56

DRAG DROP

Match each test with its definition. To answer, drag the appropriate test from the column on the left to its definition on the right. Each test may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Test	Definition
Unit test	tests the functionality of a single module or block of code
Acceptance test	tests the end-user's satisfaction with the application functionality
Integration test	tests the ability of the components of the application to function together
UI test	tests the usability of the application

Answer:

Test	Definition
Unit test	tests the functionality of a single module or block of code
Acceptance test	tests the end-user's satisfaction with the application functionality
Integration test	tests the ability of the components of the application to function together
UI test	tests the usability of the application

Question: 57

You are asked to develop an application that allows computer science students to easily post project status information to fellow project team members.

You need to design a user-centric test plan.

Which source will provide the requirements for your test plan?

- A. The university Information Technology (IT) department
- B. The application programming team
- C. The students and project team members
- D. The computer science faculty

Answer: C

Question: 58

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	Automated test scripts provide reliable, repeatable, and reusable testing of a software product.
<input type="radio"/>	<input type="radio"/>	Automated test scripts are a good way of performing regression testing.
<input type="radio"/>	<input type="radio"/>	Automated test scripts will need to be maintained as the code is changed.

Answer:

Answer Area		
Yes	No	Description of Behavior
<input checked="" type="radio"/>	<input type="radio"/>	Automated test scripts provide reliable, repeatable, and reusable testing of a software product.
<input checked="" type="radio"/>	<input type="radio"/>	Automated test scripts are a good way of performing regression testing.
<input checked="" type="radio"/>	<input type="radio"/>	Automated test scripts will need to be maintained as the code is changed.

Question: 59

You are performing a step in a test case.

The test case has the following specifications:

A return value of Supervisor

A response time of less than 5 seconds

When you perform the step, the return value is Supervisor, and the response time is 10 seconds.

Which item most accurately reports the results of this test step?

- A. Failed - Constraint Error
- B. Passed - No Error
- C. Failed - Data Error
- D. Failed - Performance Error

Answer: D

Question: 60

HOTSPOT

You view the following bug triage workbook on the team portal for a project:

ID	Priority	Severity	Title
1	1	2	Users cannot access the application during certain periods of each day.
2	1	4	Some user settings are not retained between sessions.
3	2	3	Users cannot access the application from mobile web browsers.
4	1	1	Saving new customer records throws an error.
5	3	3	Orders more than 90 days old are not displayed.

Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

ID number ... has the highest impact on both the project and the business.

ID number ... has the least impact on both the project and the business.

Answer Area

ID number ... has the highest impact on both the project and the business.

- 1
- 2
- 3
- 4
- 5

ID number ... has the least impact on both the project and the business.

- 1
- 2
- 3
- 4
- 5

Answer:

Answer Area

ID number ... has the highest impact on both the project and the business.

 1
 2
 3
 4
 5

ID number ... has the least impact on both the project and the business.

 1
 2
 3
 4
 5

Question: 61

HOTSPOT

A weekly project report contains the following bar graph:



Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

The open rate for new defects is

The close rate for defects is

Answer Area

The open rate for new defects is

 constant
 decreasing
 increasing

The close rate for defects is

 constant
 decreasing
 increasing

Answer:

Answer Area

The open rate for new defects is

 constant
 decreasing
 increasing

The close rate for defects is

 constant
 decreasing
 increasing
Question: 62

You are triaging the bug summary reports and review two bugs named Bug ID 1 and Bug ID 2. Bug ID 1 and Bug ID 2 are identical. Which two steps should you take to relate the two bugs? (Choose two-)

- A. Add the defect ID of Bug ID 1 to Bug ID 2.
- B. Change the status of Bug ID 2 to duplicated.
- C. Change the status of both bug reports to duplicated.
- D. Change the status of Bug ID 1 to rejected.
- E. Change the priority of Bug ID 1 to duplicated.

Answer: B, D

Question: 63

You conduct exploratory tests for a software project by using Visual Studio 2012. Which three statements regarding exploratory testing are correct? (Choose three.)

- A. You can collect exception and diagnostic tracing information from the client machines.
- B. You can collect system information about the client machines.

- C. You can create a video recording of the desktop.
- D. Exploratory testing can only be used with windows-based applications.
- E. You can automatically pass or fail tests based upon a recorded action script.

Answer: A, C, D

Question: 64

Which report is an important tool for monitoring the status of open defects in a project?

- A. Weekly Test Plan Summary
- B. Weekly Project Budget
- C. Weekly Bug Summary
- D. Weekly Project Schedule

Answer: C

Question: 65

HOTSPOT

You review an application used to manage cycling races. When a race is finished, the Finish method is called. You have the following code. (Line numbers are included for reference only.)

```

01 Public Class FinishLine
02
03     <DllImport("User32.dll")>
04     Public Shared Function MessageBox(h As Integer, m As String,
05         c As String, type As Integer) As Integer
06
07     End Function
08
09     Public Sub Finish(racers As Racer())
10         Dim leader = racers(0).Time
11         Dim timings = racers.[Select](Function(r) New With {
12             .Racer = r,
13             .Behind = r.Time.Subtract(leader)
14         })
15
16         If timings.Any(Function(t) t.Behind.TotalMilliseconds < 5) Then
17             MessageBox(0, "Photo Finish", "Photo Finish", 0)
18         End If
19     End Sub
20
21     Public Class Racer
22         Public Time As TimeSpan
23     End Class
24 End Class

```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	The timing enumeration code at line 15 will always run in the same amount of time.
<input type="radio"/>	<input type="radio"/>	Displaying the message box will always take the same amount of time.
<input type="radio"/>	<input type="radio"/>	Calling the Finish method can cause exceptions.

Answer:

Answer Area

Yes	No	Description of Behavior
<input type="radio"/>	<input checked="" type="radio"/>	The timing enumeration code at line 15 will always run in the same amount of time.
<input checked="" type="radio"/>	<input type="radio"/>	Displaying the message box will always take the same amount of time.
<input checked="" type="radio"/>	<input type="radio"/>	Calling the Finish method can cause exceptions.

Question: 66

This question requires that you evaluate the underlined text to determine if it is correct.

When there is no more physical memory available, data in memory is moved to the hibernation file.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Master boot record
- C. Swap file
- D. Temporary file folder

Answer: C

Question: 67

You are developing a web application by using VB. NET.

You must store an undetermined number of usernames.

What should you use to store the data?

- A. String ()
- B. String
- C. List(Of String)
- D. Long

Answer: C

Question: 68

Which two items are measurements of software quality? (Choose two.)

- A. End-user acceptance testing
- B. Requirements analysis
- C. Program load time
- D. User interface responsiveness

Answer: C, D

Question: 69

HOTSPOT

For each of the following statements, select Agile if the statement applies to agile methodology. Otherwise, select Spiral if the statement applies to spiral methodology. Each correct selection is worth one point.

Answer Area

Agile	Spiral	Description of Behavior
<input type="radio"/>	<input type="radio"/>	This methodology has a fixed number of iterations.
<input type="radio"/>	<input type="radio"/>	This methodology focuses on building tests first.
<input type="radio"/>	<input type="radio"/>	This methodology utilizes daily stakeholder involvement.

Answer:

Answer Area

Agile	Spiral	Description of Behavior
<input type="radio"/>	<input checked="" type="radio"/>	This methodology has a fixed number of iterations.
<input checked="" type="radio"/>	<input type="radio"/>	This methodology focuses on building tests first.
<input checked="" type="radio"/>	<input type="radio"/>	This methodology utilizes daily stakeholder involvement.

Question: 70

You are an intern. You develop a web application.

You must host it on your local machine.

Which component must you install?

- A. Internet Information Services (IIS)
- B. Network Protection
- C. Message Queuing (MSMQ)

D. Media Features

Answer: A

Question: 71

This question requires that you evaluate the underlined text to determine if it is correct.

Software testing ensures a known quantity of defects.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. That the application has no defects
- C. That users will accept the application
- D. That the application is high quality

Answer: A

Question: 72

This question requires that you evaluate the underlined text to determine if it is correct.

Short, iterative development cycles; flexible planning; and continual testing are all characteristics of a/an waterfall application lifecycle.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Agile
- C. Top-down
- D. Spiral

Answer: B

Question: 73

Which two conditions are examples of exit criteria? (Choose two.)

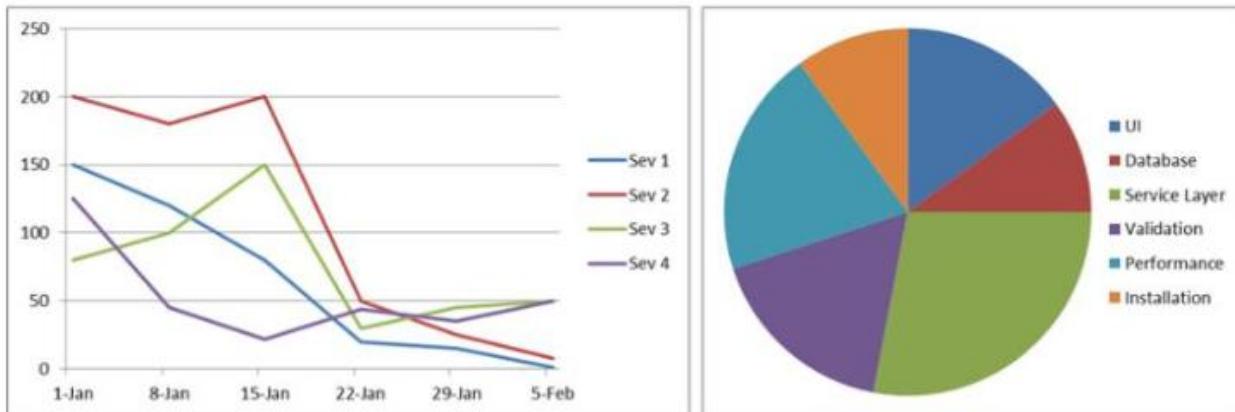
- A. All defects are logged.
- B. All unresolved defects are deferred by the stakeholders.
- C. All test cases have been written.
- D. All test scripts have passed.

Answer: A, B

Question: 74

HOTSPOT

You see the following charts in the weekly testing status report:



Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

The line chart on the left is an example of a

The pie chart on the right is an example of a

Answer Area

The line chart on the left is an example of a

Defect Report.
Defect Location Report.
Test Case Progression Report.

The pie chart on the right is an example of a

Defect Report.
Defect Location Report.
Defect Classification Report.
Test Case Progression Report.

Answer:

Answer Area

The line chart on the left is an example of a

Defect Report.
Defect Location Report.
Test Case Progression Report.

The pie chart on the right is an example of a

Defect Report.
Defect Location Report.
Defect Classification Report.
Test Case Progression Report.

Question: 75

This question requires that you evaluate the underlined text to determine if it is correct.

The original programmer is responsible for signing off completion of a regression testing milestone.
Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. End user
- C. Project manager
- D. Quality assurance manager

Answer: D

Question: 76

What does a checklist burnup chart display?

- A. The estimated remaining hours of work for the sprint
- B. The count of items remaining and whether the team will complete the remaining items by the end of the sprint
- C. The count of items completed and whether the team will complete the remaining items by the end of the sprint
- D. The actual remaining hours of work for the sprint

Answer: C

Question: 77

You partner with students from India, Finland, and China on a project that uses the agile methodology.
Which two items are challenges you may have as a result of the distributed team? (Choose two.)

- A. Automated builds
- B. Standup Meeting
- C. Personal communications
- D. Running test scripts

Answer: A, B

Question: 78

Your team uses the agile methodology. At the end of the sprint, your team looks for ways to improve.
This process is called:

- A. Backlog
- B. Retrospective
- C. Fail-fast
- D. Refactoring

Answer: B

Question: 79

This question requires that you evaluate the underlined text to determine if it is correct.

The weekly testing status report is typically written by the ScrumMaster.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Lead Developer
- C. Test Manager or Test Lead
- D. Testers

Answer: C

Question: 80

Match each testing type to its definition. To answer, drag the appropriate testing type from the column on the left to its definition on the right. Each testing type may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Testing Type	Type Definition
Load Testing	determines the throughput required to support the anticipated peak production load
Performance Testing	determines the speed, scalability, and stability characteristics of an application
Unit Testing	a test that targets a module of code where that module is any logical subset of the entire existing code base of the application
Smoke Testing	an initial run of a system test to see if your application can perform its operations under a normal load

Answer:

Testing Type	Type Definition
Load Testing	determines the throughput required to support the anticipated peak production load
Performance Testing	determines the speed, scalability, and stability characteristics of an application
Unit Testing	a test that targets a module of code where that module is any logical subset of the entire existing code base of the application
Smoke Testing	an initial run of a system test to see if your application can perform its operations under a normal load

Question: 81

This question requires that you evaluate the underlined text to determine if it is correct.

Localization testing checks the quality of the changes made to a product's user interface (UI) or configuration settings for a particular target culture/locale.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Accessibility
- C. Regression
- D. Performance

Answer: A

Question: 82

Which two techniques are used to gather data when you are profiling an application? (Choose two.)

- A. Plug-in
- B. Instrumentation
- C. Sampling
- D. Editor extension point
- E. Interrupts

Answer: B, C

Explanation:

Reference:

<http://msdn.microsoft.com/en-us/library/dd255377.aspx>

Question: 83

You are reviewing a test plan for an application that stores the results for certification exams in a database.

The success criterion is that when 450 simultaneous clients are connected to the database, an acceptable response time is maintained for all clients.

Which testing technique should you use?

- A. Integration
- B. White box
- C. Regression
- D. Black box

Answer: B

Question: 84

This question requires that you evaluate the underlined text to determine if it is correct.

The first test that occurs after repairs have been made to a system is known as unit testing.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Black box testing
- C. Smoke testing
- D. White box testing

Answer: C

Question: 85

DRAG DROP

Match each type of test to its description. To answer, drag the appropriate type from the column on the left to its description on the right. Each type may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Description	Type of Test
includes unit tests and regression tests	<input type="text"/>
tests the basic functionality of all aspects of a project	<input type="text"/>
determines if the current version of an application is stable enough to proceed with further testing	<input type="text"/>

Answer:

Description	Type of Test
includes unit tests and regression tests	Build Verification Test
tests the basic functionality of all aspects of a project	Smoke Test
determines if the current version of an application is stable enough to proceed with further testing	Smoke Test

Question: 86

This question requires that you evaluate the underlined text to determine if it is correct.

A/an control pattern represents the common behavior of a control and is used to design automated user interface (UI) tests.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Automation client
- C. Automation provider
- D. Interface

Answer: A

Question: 87

HOTSPOT

You are using the Coded UI Test Project in Visual Studio to test your application.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	The Coded UI Test Project can run automated unit tests.
<input type="radio"/>	<input type="radio"/>	The Coded UI Test Project can break when an error occurs.
<input type="radio"/>	<input type="radio"/>	You can add comments and the reason for failure to the Coded UI Test Project if an error occurs.

Answer:

Answer Area		
Yes	No	Description of Behavior
<input checked="" type="radio"/>	<input type="radio"/>	The Coded UI Test Project can run automated unit tests.
<input checked="" type="radio"/>	<input type="radio"/>	The Coded UI Test Project can break when an error occurs.
<input checked="" type="radio"/>	<input type="radio"/>	You can add comments and the reason for failure to the Coded UI Test Project if an error occurs.

Question: 88

Which two types of logging are supported by the UI Automation Test Library? (Choose two.)

- A. XML
- B. HTML
- C. Console
- D. XPS

Answer: A, B

Question: 89

This question requires that you evaluate the underlined text to determine if it is correct.

You use the Visual Studio 2012 Build-Deploy-Test workflow.

You need to use a specific build to perform tests that are not part of the workflow.

You must use the Deploy and Test scenario of the workflow.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Build and Deploy
- C. Build Only
- D. Deploy Only

Answer: D

Question: 90

A system has the following requirements:

If the order total is equal to or more than \$50 and less than or equal to \$100, then a 2 percent discount is applied.

If the order total is more than \$100 and less than or equal to \$200, then a 5 percent discount is applied.

If the order total is \$200 or more, then a 10 percent discount is applied.

How many partitions must you test?

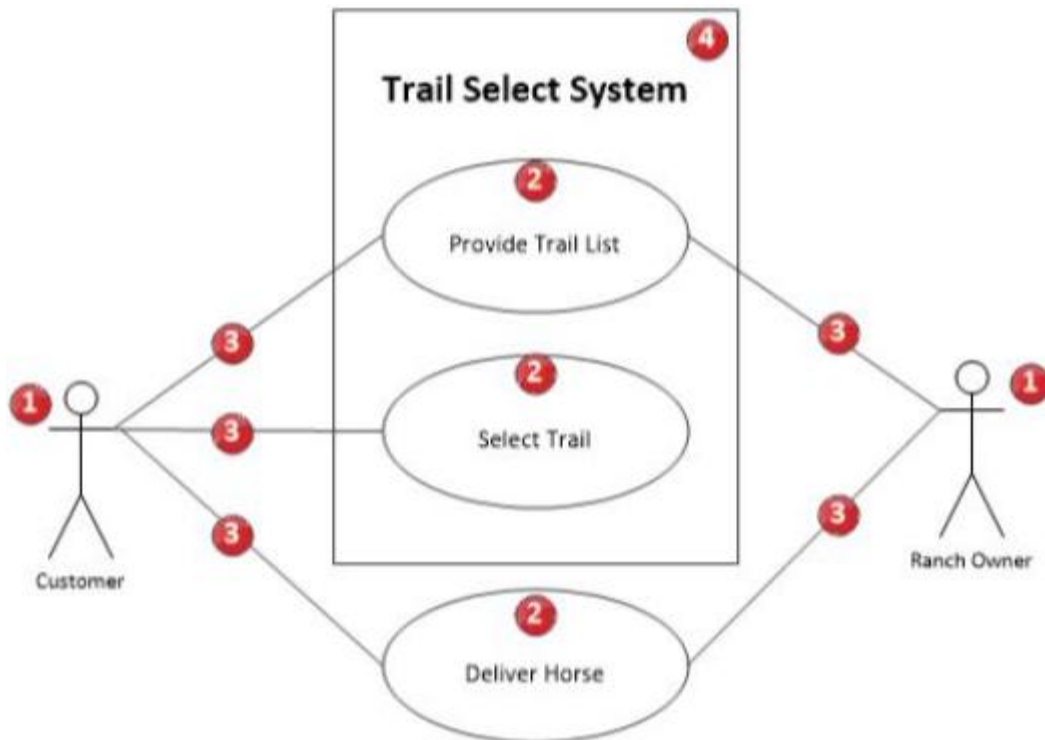
- A. 0
- B. 3
- C. 4
- D. 5

Answer: B

Question: 91

HOTSPOT

You have the following use case diagram:



Use the drop-down menus to answer each question. Each correct selection is worth one point.

Answer Area

Shape #1 represents a/an

Shape #2 represents a/an

Shape #3 represents a/an

Shape #4 represents a/an

Answer Area

Shape #1 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Shape #2 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Shape #3 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Shape #4 represents a/an

Actor
Use Case
Association
Dependency
Subsystem or Component

Answer:

Answer Area

Shape #1 represents a/an

Actor
 Use Case
 Association
 Dependency
 Subsystem or Component

Shape #2 represents a/an

Actor
 Use Case
 Association
 Dependency
 Subsystem or Component

Shape #3 represents a/an

Actor
 Use Case
 Association
 Dependency
 Subsystem or Component

Shape #4 represents a/an

Actor
 Use Case
 Association
 Dependency
 Subsystem or Component

Question: 92

This question requires that you evaluate the underlined text to determine if it is correct.

Test coverage measures, in some specific way, the amount of testing performed by a set of tests.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Testability
- C. Test planning
- D. Test implementation

Answer: A**Question: 93**

Which item should be used to simulate error conditions during a unit test without causing errors on a live system?

- A. Stress tests
- B. Manual tests
- C. Mock objects
- D. Database resources

Answer: C

Question: 94

Which item should be used to test multiple scenarios to validate specific sets of behaviors?

- A. A test harness
- B. A test scenario
- C. A test case
- D. A test suite

Answer: D

Question: 95

You are creating an application for the Computer Science department at your school that allows computer science staff and faculty to collaborate with their graduate and undergraduate students.

You need to design a user-centric testing plan.

Which three populations should be the target of your testing plan? (Choose three.)

- A. University Information Technology (IT) staff
- B. Computer Science administration staff
- C. Computer Science undergraduates
- D. Computer Science faculty
- E. You and your team of developers

Answer: A, C, D

Question: 96

This question requires that you evaluate the underlined text to determine if it is correct.

A developer writes test hooks, or hidden messages, into an application so that the tester can use them to produce a desired effect.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Mock objects
- C. Unit tests
- D. Use cases

Answer: A

Question: 97

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Yes	No	Challenges for Distributed Teams
<input type="radio"/>	<input type="radio"/>	Communicating across different time zones is a challenge for distributed teams.
<input type="radio"/>	<input type="radio"/>	Language and cultural differences are challenges for distributed teams.
<input type="radio"/>	<input type="radio"/>	Lack of face-to-face communication is a challenge for distributed teams.

Answer:

Answer Area

Yes	No	Challenges for Distributed Teams
<input checked="" type="radio"/>	<input type="radio"/>	Communicating across different time zones is a challenge for distributed teams.
<input checked="" type="radio"/>	<input type="radio"/>	Language and cultural differences are challenges for distributed teams.
<input checked="" type="radio"/>	<input type="radio"/>	Lack of face-to-face communication is a challenge for distributed teams.

Question: 98

You partner with students from England, India, and Dubai on a project that uses the agile methodology. You need to ensure there are no risks to collaborating on the project. Which two items must you address to prevent risks to collaboration? (Choose two.)

- A. Communication issues
- B. Stakeholder relations
- C. Code reviews
- D. Creating test scripts

Answer: CD

Question: 99

DRAG DROP

Match each report to its definition. To answer, drag the appropriate report from the column on the left to its definition on the right. Each report may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area		
Report	Definition	
Failure Analysis Report		
Test Case Readiness Report		Shows the number of test cases that can be run and that have been run.
Test Plan Progress Report		Shows the number of test cases that have not been run, or are blocked, failed, or passed.
		Shows the number of tests that previously passed but do not currently pass.

Answer:

Report	Definition
Test Case Readiness Report	Shows the number of test cases that can be run and that have been run.
Test Plan Progress Report	Shows the number of test cases that have not been run, or are blocked, failed, or passed.
Failure Analysis Report	Shows the number of tests that previously passed but do not currently pass.

Question: 100

This question requires that you evaluate the underlined text to determine if it is correct.

A document that defines the test item, the inputs and/or data, the execution conditions, and expected results is called a test case.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Test plan
- C. Test run
- D. Test configuration

Answer: A

Question: 101

Which three products must be installed to access Microsoft's built-in test reporting? (Choose three.)

- A. Microsoft Test Manager
- B. Team Foundation Server
- C. Internet Explorer
- D. Visual Studio 2012
- E. Windows 8

Answer: A, B, D

Question: 102

Visualizing the flow of work, limiting work in progress, managing flow, making policies explicit, implementing feedback loops, and improving collaboratively while evolving experimentally are all practices of which software development methodology?

- A. lean
- B. kanban
- C. incremental
- D. spiral

Answer: B

Question: 103

This question requires that you evaluate the underlined text to determine if it is correct.

A good test plan defines measurable criteria at each project feasibility study.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Milestone
- C. Status meeting
- D. Turnover

Answer: B

Question: 104

You are developing a plan to test an application.

The test must run weekly and consists of step-by-step walkthroughs of major functionality
Which testing technique should you use?

- A. Automated
- B. Regression
- C. Unit
- D. Ad hoc

Answer: A

Question: 105

This question requires that you evaluate the underlined text to determine if it is correct.

The bottom-up approach to integration testing requires testing along functional data and control-flow paths by testing bottom-up first, and then top-down.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Umbrella
- C. 360 degree
- D. Top-down

Answer: B

Question: 106

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		
Yes	No	Description of Accessibility
<input type="radio"/>	<input type="radio"/>	Keyboard accessibility utilizes shortcuts, such as CTRL+X and CTRL+V, to test the accessibility of an application.
<input type="radio"/>	<input type="radio"/>	High contrast testing modifies the operating font size and font colors to test the accessibility of an application.
<input type="radio"/>	<input type="radio"/>	Narrator is a Windows tool that is used to test Assistive Technology Compatibility.

Answer:

Answer Area		
Yes	No	Description of Accessibility
<input checked="" type="radio"/>	<input type="radio"/>	Keyboard accessibility utilizes shortcuts, such as CTRL+X and CTRL+V, to test the accessibility of an application.
<input checked="" type="radio"/>	<input type="radio"/>	High contrast testing modifies the operating font size and font colors to test the accessibility of an application.
<input checked="" type="radio"/>	<input type="radio"/>	Narrator is a Windows tool that is used to test Assistive Technology Compatibility.

Question: 107

You are writing tests for an application that tracks model rocket launches. The application includes a function named Velocity that calculates the velocity of a launch, as shown in the following code. (Line numbers are included for reference only.)

```

01 Public Class SpeedCalculation
02     Public Function Velocity(launch As Launch, time As TimeSpan) As Double
03         If launch Is Nothing Then
04             Throw New Exception()
05         End If
06
07         If time.TotalMilliseconds < 0 Then
08             Return Double.Epsilon
09         End If
10
11         If launch.Distance = 0 Then
12             Return 0
13         End If
14         Return launch.Distance / time.TotalSeconds
15     End Function
16
17     Public Class Launch
18         Public Distance As Integer
19     End Class
20 End Class

```

You need to test that the Velocity function:

Throws an exception if the launch is null

Returns epsilon if the time is below the measurement threshold

Returns zero if the launch did not result in any movement

Returns the velocity as distance divided by total seconds

Which type of tests must you write?

- A. Performance
- B. End-to-end
- C. Integration
- D. Unit

Answer: D

Question: 108

You are an intern at a large clothing company.

You are creating a test plan for a web application that stores the results for shirt sizes in a database.

The success criterion is that page load time must be less than 2 seconds when 450 users are using the application.

Which testing technique should you use?

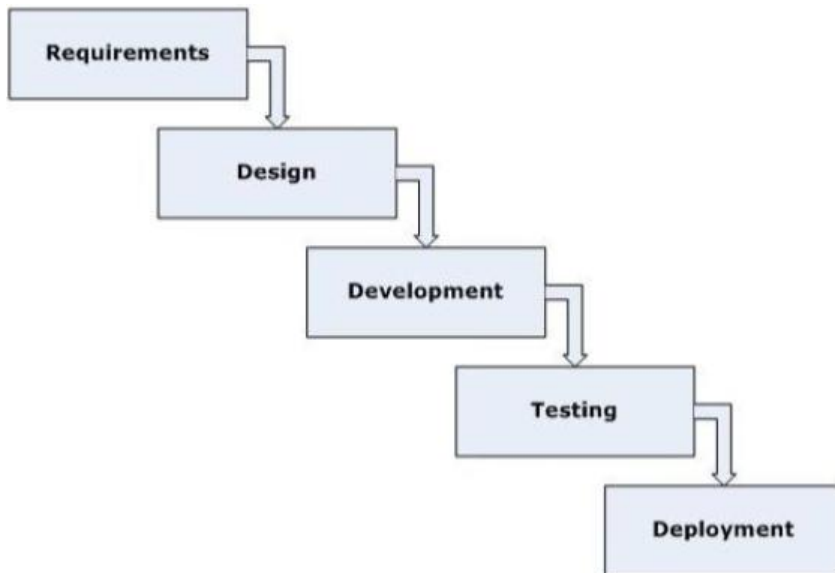
- A. Black box
- B. Integration
- C. Regression
- D. White box

Answer: A

Question: 109

HOTSPOT

An overview document for a project contains the following graphic of the proposed project lifecycle:



Use the drop-down menus to complete each statement. Each correct selection is worth one point.

Answer Area

This graphic is an example of the ... of software testing.

This graphic demonstrated that the testing cycle ...

Answer Area

This graphic is an example of the ... of software testing.

This graphic demonstrated that the testing cycle ...

begins only when development of the product is complete.
occurs continually throughout the project lifecycle.
occurs iteratively at a number of stages throughout the project lifecycle.

Answer:

Answer Area

This graphic is an example of the ... of software testing.

This graphic demonstrated that the testing cycle ...

begins only when development of the product is complete.
occurs continually throughout the project lifecycle.
occurs iteratively at a number of stages throughout the project lifecycle.

Question: 110

This question requires that you evaluate the underlined text to determine if it is correct.

Program load time is an indicator that can be used to quantify software quality.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

A. No change is needed

- B. End-user testing
- C. Requirements gathering
- D. User acceptance testing

Answer: A

Question: 111

This question requires that you evaluate the underlined text to determine if it is correct.

In software testing, the degree to which the solution has been tested is called code coverage.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Functional coverage
- C. Statement coverage
- D. State coverage

Answer: A

Question: 112

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area		Description of Programming Language
Yes	No	
<input type="radio"/>	<input type="radio"/>	JavaScript is an interpreted language.
<input type="radio"/>	<input type="radio"/>	C# is an interpreted language.
<input type="radio"/>	<input type="radio"/>	Python is an interpreted language.

Answer:

Answer Area		Description of Programming Language
Yes	No	
<input checked="" type="radio"/>	<input type="radio"/>	JavaScript is an interpreted language.
<input type="radio"/>	<input checked="" type="radio"/>	C# is an interpreted language.
<input checked="" type="radio"/>	<input type="radio"/>	Python is an interpreted language.

Question: 113

This question requires that you evaluate the underlined text to determine if it is correct.

A static language allows for changes in program behavior during runtime without regard to method signatures.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Concurrent
- C. Domain specific
- D. Dynamic

Answer: D

Question: 114

This question requires that you evaluate the underlined text to determine if it is correct.

The operating system determines when applications have the use of the CPU.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Interrupt infrastructure
- C. Memory bus
- D. Real-time clock (RTC)

Answer: A

Question: 115

Which two tools can you use to set automated test priority? (Choose two.)

- A. MSTest.exe
- B. vSTest.Console.exe
- C. Visual Studio 2012
- D. Microsoft Test Manager

Answer: A, D

Question: 116

DRAG DROP

Match each Microsoft Test Manager component to its description. To answer, drag the appropriate component from the column on the left to its description on the right. Each component may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area		
Test Controller	Description	Microsoft Test Manager Component
Test Agent	distribute and Manage tests remotely	<input type="text"/>
	install Software	<input type="text"/>
	run Tests	<input type="text"/>
	collect Test Data	<input type="text"/>

Answer:

Description	Microsoft Test Manager Component
distribute and Manage tests remotely	<input type="text" value="Test Controller"/>
install Software	<input type="text" value="Test Agent"/>
run Tests	<input type="text" value="Test Agent"/>
collect Test Data	<input type="text" value="Test Agent"/>

Question: 117

A computer science student creates a plain text editor for a class project. The core functionality of the application includes:

Create and edit documents

Store and retrieve documents

Copy to and paste text from documents

You need to create a build verification test suite for the application.

Which two test cases should you include in the test suite? (Choose two.)

A. Sending a document by using email

B. Printing a document

C. Saving a document

D. Copying text from a document

Answer: CD

Question: 118

This question requires that you evaluate the underlined text to determine if it is correct.

PeVerify.exe is used to run automated tests of Windows applications from the command line.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. MDbg.exe
- C. MSTest.exe
- D. wCfTestClient.exe

Answer: C

Question: 119

You are using Microsoft Visual Studio Unit Test Framework.

What are the two minimum requirements for a test class? (Choose two.)

- A. One of the methods must have the TestCategory attribute.
- B. The class must have the TestInitialize attribute.
- C. One of the methods must use the TestMethod attribute.
- D. The class must have the TestClass attribute.

Answer: A, B

Question: 120

DRAG DROP

You are testing a custom application for mobile devices.

Match each severity to its description. To answer, drag the appropriate severity from the column on the left to its description on the right. Each severity may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area		
	Severity	Description
Critical		The defect causes the application to terminate unexpectedly.
Major		The defect causes a severe degradation to the performance of the application.
Minor		The defect makes the application more difficult to use, but does not otherwise impact the application.
Trivial		The defect should be fixed, but has no ramifications on running the application.

Answer:

Severity	Description
Critical	The defect causes the application to terminate unexpectedly.
Major	The defect causes a severe degradation to the performance of the application.
Minor	The defect makes the application more difficult to use, but does not otherwise impact the application.
Trivial	The defect should be fixed, but has no ramifications on running the application.

Question: 121

A tester describes a defect as follows:

The defect allows the application to continue normally.

The defect severely impacts the performance of the application.

What severity is this defect?

- A. Trivial
- B. Critical
- C. Major
- D. Minor

Answer: A

Question: 122

This question requires that you evaluate the underlined text to determine if it is correct.

Scope describes how important it is to fix a defect, or how quickly a defect must be fixed.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Effect level
- C. Priority
- D. Severity

Answer: C

Question: 123

What is the last step that must be performed before you can close a bug?

- A. The bug is assigned a severity and priority.
- B. The developer reports that the bug is fixed.
- C. The tester re-tests the bug and verifies it is fixed.
- D. The bug is assigned to a developer for correction.

Answer: A

Question: 124

You create code that calculates the speed of a vehicle by using the following formula:

Speed = Miles / Hours

When the code runs, the application throws a divide by zero exception.

Which type of error is thrown by the application?

- A. Compile error
- B. Logic error
- C. Syntax error
- D. Run-time error

Answer: D
