Question 1

You are testing the processing of a critical traffic control system to which various regulations apply. The processing of the input variables is dependent of defined ranges within which the actual retrieved data values can lie.

Which of the following test techniques will you use to the processing functionality of the traffic control system?

[K4] 3 credits

Options:

A- defect taxonomies

B- exploratory testing

C- equivalence partitioning enhanced with boundary value analysis

D- state transition testing

Answer:

C

Question 2

According to the ISTQB Advanced syllabus, which of the following would be the MOST effective method of communication between test team members who are distributed across several time zones?

[K2] 1 credit

Options:

A- Accurate recording of defect information in the defect tracking system

B- Accepting frequent builds from the developers to keep all testers working on the same version at the same time

C- Skype meetings for personal interaction

D- Weekly, mandatory meeting with all personnel present

Answer:

A

Question 3

Ken, an entrepreneur in Leeds finds the quality of the tea locally available so low, that he decides to research superior teas around the world. He decides to market, sell and distribute these superior teas via the web. His market strategy is to offer superior products on a well-designed website with graphics that are fast to load, has high availability, superior usability and fast response times.

The website will offer the following:

-An innovative interactive catalogue of teas, which not only enables customers to buy the product, but also enables them to provide feedback by rating the teas (which will influence his stock purchasing levels)

Provide the customer with the ability to use secure credit card transactions

Provide the customer to give general feedback

Ken selects an iterative model for the development of the prototypes. The team consists of three developers that are experienced in web development. Ken, although he doesn't have technical skillset, is concerned with quality. He doesn't believe a lot of documentation is necessary and he wants the website to be completed quickly.

The test basis contains the following:

-Story boards that show the information flow and page links through the site

-HTML pages developed to date.

-A statement of non-functional requirements.

With the strategy taking shape, Ken asks your advice on the specific testing techniques that should be used to complete the required testing, bearing in mind the nature of the application and the nature of Ken's overall objectives.

Which of the following represents the best choice of testing techniques in this scenario?

[K4] 3 credits

Options:

A- Equivalence partitioning and boundary value analysis using the storyboard ideas as a basis to maximize functional coverage.

B- Decision testing to ensure that there is no redundant code

C- Exploratory testing to maximize the value of the team' experience

D- State transition testing to test the web site's availability statuses

Answer:

C

Question 4

Question Type: **MultipleChoice**

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How does phase containment contribute to reducing the cost of development?

[K2] 1 credit

Options:

A- By eliminating defects as early as possible to minimize defect propagation

B- By ensuring that the deliverables from any life cycle phase are tested only in that phase

C- By using specific test techniques at each level and only at that level

D- By concentrating the testing effort on the phases where failures occur

Answer:

A

Question 5

Question Type: FillInTheBlank

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Answer:

Question 6

You are working as a tester on a project to develop a point-of-sales system for grocery stores. Which of the following is a product risk that could be identified for such a system?

[K3] 2 credits

Options:

A- The arrival of a more reliable competing product on the market

B- Delivery of an incomplete test release to the first cycle of system test

C- An excessively high number of defect fixes fail during re-testing

D- Failure to accept allowed credit cards

Answer:

D

Question 7

Which of the following BEST explains the use of cause-effect graphing?

[K2] 1 credit

Options:

A- Useful to gain a graphical overview of a program's logical structure and are typically used as the basis for creating decision tables.

B- Used with the purpose that with a limited set of test cases a reasonable level of coverage can be achieved.

C- Used to test the ability of the software to enter into and exit from defined states via valid and invalid transitions.

D- Used as a clear method to verify testing of all pertinent combinations of conditions and to verify that all possible combinations are handled by the software under test.

Answer:

A

Question 8

Which of the following is the LEAST appropriate action to mitigate product risks for a web application?

[K3] 2 credits

Options:

A- Initiate reviews of test design

B- Use professional and skilled testers with appropriate technical knowledge

C- Run tests in multiple operational environments

D- Allocate more time to high risk areas

Answer:

A

Question 9

Question Type: **MultipleChoice**

While identifying scenario's for the use case "copy A4 -- A4" for a new copier, the following scenario's were identified:

Basic scenario: single side to single side

Deviations: single side to double side, copy of a set, copy using the automatic document feeder Failures: no paper in paper tray, paper jam, out of staples

During interviews with both development and end-users it has been established that the failure scenario's can occur during the basic scenario and during each of the deviations.

How many test cases will be needed to achieve full coverage both for valid and invalid situations?

[K3] 2 credits

Options:

A- 10

B- 12

C- 16

D- 20

Answer:

C

Question 10

A new web site must operate correctly with different browsers (Internet Explorer, Google Chrome, Firefox, Netscape, Mozilla), using different plug-ins (Realplayer, Mediaplayer), will be receiving pages from different servers (IIS, Apache and WebLogic) and will be running on various server operation systems (windows 2007, XP, Linux)

Which of the following test techniques will you use to test this new web site in its various environments?

[K4] 3 credits

Options:

A- pairwise testing

B- exploratory testing

C- use case testing

D- decision table testing

Answer:

A