Test-King.CTAL-TA_Syll2012_60,Q&A

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CTAL-TA_Syll2012
ISTQB Certified Tester Advanced - Test Analyst (Syllabus 2012)

I have correct many of questions answers. If there is any more then update this vce and re-upload.

100% valid, I didn't fail any question, all of them are in this VCE.

I have solved " Stream read error " problem in VCE player .

All the questions are new one.there is no repetition of any question.

This VCE has a lot of questions where all answers are up-to-date.

Sections
1. Test Process
2. Test Management
3. Specification-Based Test Techniques
4. Defect-Based and Experienced-Based Test Techniques
5. Testing Software Quality Characteristics
6. Reviews
7. Defect Management
8. Test Tools

Exam A

QUESTION 1
Which of the following BEST explains the use of cause-effect graphing?

[K2] 1 credit

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.

Correct Answer: A
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 2
How do user stories and testing relate in an agile project?

[K2] 1 credit

A. User stories provide the flow of events which are to be used by the tester to define test cases.
B. User stories provide the user requirement and acceptance criteria being two important inputs for the tester.
C. The tester will typically gather and document the user stories, and use them for testing.
D. User stories drive the regression test.

Correct Answer: B
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 3
A new banking system has 2 customers' types, 2 account types and will operate in two different countries?

How many test cases will be needed using the pair wise testing technique and the appropriate 2-wise orthogonal array?

[K3] 3 credits

A. 2
B. 4
C. 5
D. 8

Correct Answer: B
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 4
Tax system
A tax system needs to be updated due to new legislation. For a person with a salary of less than

20.000 and who is married, the tax needs to be re-calculated. If the person also has more than two and less than five children, an additional 10% reduction is applicable.

How many cases are required to test the "Tax system" specification using a decision table which is not collapsed?

[K3] 2 credits

A. 2
B. 4
C. 6
D. 8

Correct Answer: D
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:
answer is corrected.

QUESTION 5
Tax system
A tax system needs to be updated due to new legislation. For a person with a salary of less than

20.000 and who is married, the tax needs to be re-calculated. If the person also has more than two and less than five children, an additional 10% reduction is applicable.

How many input classes can be distinguished when applying equivalence partitioning to the "Tax System" specification?

[K3] 2 credits

A. 5
B. 6
C. 7
D. 8

Correct Answer: B
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 6
Tax system
A tax system needs to be updated due to new legislation. For a person with a salary of less than 20.000 and who is married, the tax needs to be re-calculated. If the person also has more than two and less than five children, an additional 10% reduction is applicable.

Applying equivalence partitioning to the "Tax System" specification, which of the following set of equivalence classes is most effective in testing the processing the number of children?

[K3] 2 credits

A. 2, 4 and 6 children
B. 2, 4 and 5 children
C. 1, 3 and 6 children
D. 3, 4 and 6 children

Correct Answer: B
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 7
Consider the following decision table,

	1	2	3	4	5	6	7	8
C1	1	1	1	1	0	0	0	0
C2	1	1	0	0	1	1	0	0
C3	1	0	1	0	1	0	1	0
A1	X	X						
A2	X							

How many cases are left when this decision table is collapsed?

[K3] 3 credits

A. 2
B. 3
C. 4
D. 5

Correct Answer: C
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 8
A temperature unit holds the temperature between 10 degrees Celcius and 10 degrees Celcius. If the temperature drops below 10 or rises above 10 then an alarm rings. Boundary Value Analysis tests are drawn up using the approach of two test cases per boundary. The temperatures to be tested

VCEPlus

are:

[K3] 2 credits

A. 11, 10, -11, -10
B. 11, 10, 9, -11, -10, -9
C. 11, 9, -9, -11
D. 10, 9, -9, -10

Correct Answer: A
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 9
For a tax system the earnings 4.000 are tax free, the following 1.500 are charged at 10%, the following 28.000 at 20% and the remainder above 40%. All values are rounded to 1.

What test case could result from a boundary value analysis?

[K3] 2 credits

A. 1500
B. 33501
C. 4499
D. 28001

Correct Answer: B
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 10
A specification states: "If the fossil is Jurassic in origin then it must be catalogued under Mesozoic post Triassic and cross referred to politic limestone.

If it is a tooth, then it must be catalogued under Dental remains. If the fossil is both Jurassic in origin and a tooth it will be catalogued under Mesozoic post Triassic and cross referred to politic limestone only. "

The tester analyses this for decision table testing and finds the following conditions and actions:

C1: Jurassic
C2: tooth
A1: Catalogue as Mesozoic post Triassic
A2: Cross refer to politic limestone
A3: Catalogue as

Dental remains
How many test cases will a collapsed decision table have?

[K3] 2 credits

A. 2
B. 3
C. 4
D. 6

Correct Answer: B
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:
answer is modified.

QUESTION 11
A route calculation for a car navigation system has been developed using the following state table:

	Position	Velocity	Updated	No Signal
Displaying	Calculating	Calculating	-	Error
Calculating	-	-	Displaying	Error
Error	Calculating	-	-	-

How many test cases are needed to achieve 0-switch coverage?

[K3] 2 credits

A. 3
B. 6
C. 7
D. 12

Correct Answer: B
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 12
How many invalid test cases can be identified from the "Route Calculation" state table provided?

You may assume all actions are different and independent.

[K3] 3 credits

A. 6
B. 8
C. 102
D. 12

Correct Answer: A
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 13
Apart from state transition testing, which other specification-based technique would you additionally choose to test the interfaces between components of "Route Calculation" and thus typically find different types of defects?

Colour	D-F	G-J	K-M	N-R	S-Z
Grade	Colourless	Near Colourless	Faint yellow	Very light yellow	Light yellow

Identify the MOST likely technique from the following list.

[K4] 3 credits

A. Equivalence Partitioning
B. Use Case Testing
C. Orthogonal Arrays
D. Decision Testing

Correct Answer: A
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 14
A diamond retailer is introducing a new stock taking system. Each diamond is assigned a character that represents the colour. The valid domain for the character ranges from D to Z. The colour is then graded using the following scale:

Which of the following test sets will provide the best equivalence partitioning coverage?

[K3] 2 credits

A. D, F, G, H, K, M, N, P, T, Z
B. D, G, K, N, S
C. A, E, H, L, P, T, §
D. E, H, L, M, U,

Correct Answer: C

Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 15
Analyzing the requirement, "The system shall allow cash advances of at least 200 Euros for all supported credit cards. The correct list of credit cards is American Express, Diners, VISA, Mastercard and Eurocard." There are arguments to be made for several test design techniques.

Which of the following test design techniques is LEAST likely to be used for identifying test cases for the requirement?

[K4] 3 credits

A. Boundary value analysis
B. Equivalence Partitioning
C. Classification Tree Method
D. State Transition Testing

Correct Answer: D
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 16
For an ATM banking project introduced earlier, "When the user first inserts a valid credit card type, the system considers the user to be in an unauthenticated state. When requesting a cash advance, the user must be in an authenticated state. The user authenticates by entering the proper PIN code. When authenticating the user, the system shall allow the user to enter their PIN code up to three times before failing the authentication and rejecting the card. On the first and second try, the system shall prompt the user to re-enter the PIN code."

Suppose you are concerned that, depending on the exact number of invalid PIN codes entered, the system might behave improperly. Which of the following test design techniques is specifically targeted at such failures?

[K4] 3 credits

A. Equivalence Partitioning extended by boundary value analysis
B. Pairwise Testing with orthogonal arrays
C. State Transition Testing using 1-switch coverage
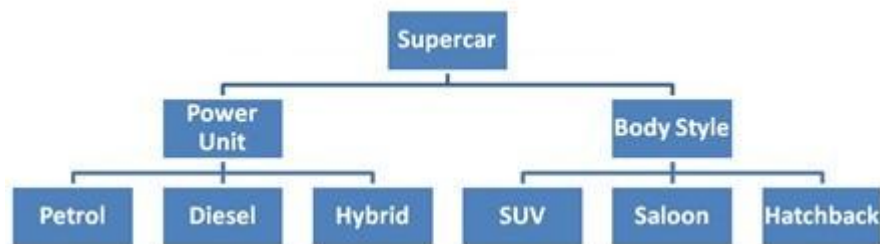D. Classification Tree Method

Correct Answer: C
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 17
Study the "Supercar" classification tree, which of the following statements is correct?

[K3] 2 credits

A. The classification tree is correct and complete
B. The options for "in stock" are missing
C. Order information is missing
D. The error message is missing

Correct Answer: B
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 18
Using the state diagram (based on the "Route Calculation"), how many test cases are needed to achieve 1-switch coverage?

	Position	Velocity	Updated	No Signal
Displaying	Calculating	Calculating	-	Error
Calculating	-	-	Displaying	Error
Error	Calculating	-	-	-
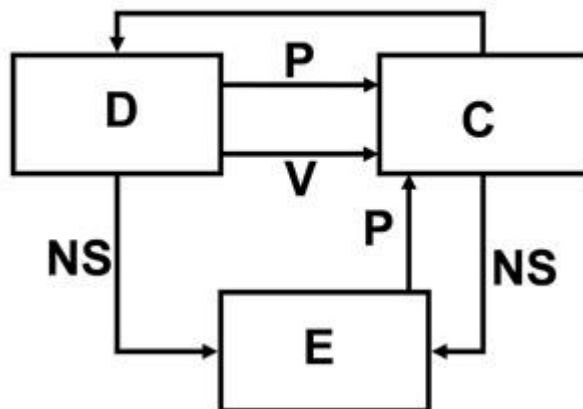
[K3] 3 credits

A. 9
B. 10
C. 11
D. 12

Correct Answer: D
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 19
Using the "Tax System" specification scenario as described above, using boundary value analysis, which would be the most interesting test set to explicitly test one single boundary value as defined in the "Tax System" specification?

Test set (i)

Civil Status	Salary	Number of Children
Married	€ 20.000	4
Not Married	€ 22.000	3
Married	€ 18.000	2

Test set (ii)

Civil Status	Salary	Number of Children
Not Married	€ 19.000	8
Not Married	€ 20.000	6
Married	€ 50.000	4

Test set (iii)

Civil Status	Salary	Number of Children
Married	€ 20.000	10
Not Married	€ 22.000	5
Not Married	€ 20.001	0

Test set (iv)

Civil Status	Salary	Number of Children
Not Married	€ 22.000	1
Not Married	€ 18.000	2
Married	€ 18.000	3

[K3] 3 credits

A. (i)
B. (ii)

C. (iii)

D. (iv)

Correct Answer: D
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 20
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

A. defect taxonomies

B. exploratory testing

C. equivalence partitioning enhanced with boundary value analysis

D. state transition testing

Correct Answer: C
Section: Defect-Based and Experienced-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 21
Which of the following descriptions is an example of the use of defect taxonomies?

Number of correct answers: 1

[K2] 1 credit

A. Grouping defects found in execution by functional areas

B. Following a defect management process through testing

C. Running tests with the aim of finding as many defects as possible

D. Using a list of known defect types to penetrate the security of computer systems

Correct Answer: D
Section: Defect-Based and Experienced-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 22
Which of the following statements fits the principles of experience-based testing?

[K2] 1 credit

A. Coverage calculations can be used to determine the amount of testing required
B. Different people will have a different experience level regarding usability testing
C. Models can be used to derive the required test cases
D. Experience in test execution is more important than experience in test design

Correct Answer: D
Section: Defect-Based and Experienced-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 23
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

A. pairwise testing
B. exploratory testing
C. use case testing
D. decision table testing

Correct Answer: A

Section: Defect-Based and Experienced-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 24
A car navigation system needs to be integrated in the overall car software. Interoperability testing is thus considered to be important. Which of the following techniques is most likely be used to support interoperability tests?

[K2] 1 credit

A. Equivalence Partitioning
B. Statement testing
C. Vulnerability Scan
D. Defect Taxonomies

Correct Answer: A
Section: Testing Software Quality Characteristics
Explanation

Explanation/Reference:
valid and modified.

QUESTION 25
A company wants to develop a web site to implement an on-line sales channel. The company has decided to do some usability testing, but resources are limited. The usability testing has therefore to be done as efficient as possible. Which THREE techniques would you recommend?

[K4] 3 credits, 2 out of 3 correct 1 credit

A. SUMI
B. Usability laboratory
C. Use case testing
D. Heuristic evaluation
E. Equivalence partitioning
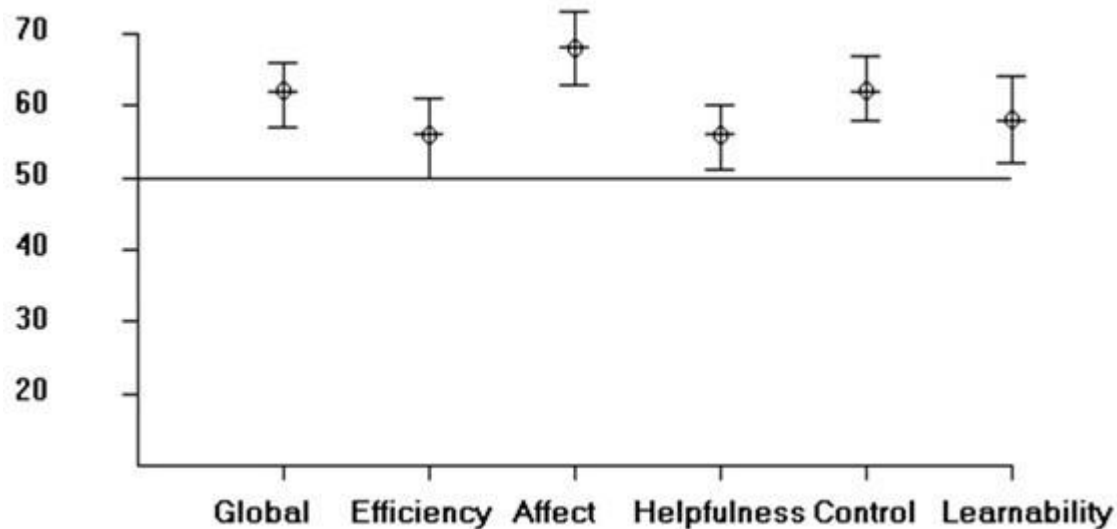F. Pairwise testing
G. Exploratory testing

Correct Answer: ACD
Section: Testing Software Quality Characteristics

Explanation

Explanation/Reference:

QUESTION 26
A SUMI test was performed at an early stage within the system test. Hereafter you find the results of the SUMI test.

Based on these results, what would you recommend as the most appropriate approach for usability testing?

[K4] 3 credits

A. Since the SUMI scores are largely above market average no further action on usability is needed
B. Since the standard deviation of most SUMI scales is much too large, a new SUMI test must be performed
C. Since the scores are not really showing a high level of user-satisfaction additional usability testing based on use case is needed
D. Since the SUMI results do not provide details, an additional focused heuristic evaluation on the lower scales is recommended

Correct Answer: D
Section: Testing Software Quality Characteristics
Explanation

Explanation/Reference:

QUESTION 27
As part of defining an approach the usability, acceptance criteria need to be defined. Which of the following acceptance criteria would be appropriate for operability? [K4] 3 credits

A. Percentage of participants who completed each task correctly
B. Mean extent to which each task was completely and correctly achieved, scored as a percentage
C. Mean time taken to complete each task (for correctly completed tasks)
D. SUMI user satisfaction score

Correct Answer: C
Section: Testing Software Quality Characteristics
Explanation

Explanation/Reference:

QUESTION 28
During the test execution defects are found on non-compliancy to requirements, calculations that produce incorrect results, and improper handling of data or situations.

Which of the following test types is most likely being performed?

[K2] 1 credit

A. Usability testing
B. Interoperability testing
C. Accuracy testing
D. Suitability testing

Correct Answer: C
Section: Testing Software Quality Characteristics
Explanation

Explanation/Reference:

QUESTION 29
Which of the following comments would be the MOST important one you would make?

[K3] 2 credits

A. Description of flow is not detailed enough
B. Specific characteristics of actor(s) are missing
C. No usability acceptance criteria
D. User tasks not defined

Correct Answer: B
Section: Reviews
Explanation

Explanation/Reference:

QUESTION 30
You are a test analyst in the banking domain. You have received the following requirement:
"The system shall allow cash advances of at least 200 Euros for all supported credit cards. The correct list of credit cards is American Express, Diners, VISA, Mastercard and Eurocard.

Which one of the findings described below is true regarding this requirement?

[K3] 2 credits

A. The requirement is ambiguous in terms of supported cards
B. The paragraph indicates potential performance problems
C. The paragraph is unclear in terms of advance limits
D. The paragraph indicates potential usability problems

Correct Answer: C
Section: Reviews
Explanation

Explanation/Reference:

QUESTION 31
Supercar is an online vehicle sales website specializing in a single manufacturer's Sports Utility Vehicles (SUVs) and saloons. A vehicle has two key elements, power unit and body style. The manufacturer offers three choices of power unit: petrol, diesel and hybrid. There are 3 main body styles:

Saloon, Hatchback and SUV. SUVs only come as petrol and diesel options. Hybrid is available for Hatchback only. The site will allow an order to be processed if at least one of the chosen vehicle configuration is in stock, otherwise a message will be displayed asking the user to try again later.

As a tester you are asked to review the "Supercar" specification before starting to design the corresponding test cases.

Which of the comments below would you make?

[K3] 2 credits

A. I have no comments, specification looks ok
B. Boundaries for stock levels are ambiguous
C. Dependencies power unit and body styles are ambiguous
D. It is not clear which message will be displayed when "out of stock"

Correct Answer: D
Section: Reviews
Explanation

Explanation/Reference:

QUESTION 32
The use case will be used as a basis for the design of usability test scenario's. As a tester you are asked to review the ATM use case from the perspective of usability testing.

As a tester you are asked to review the ATM use case provided below. The use case will be used as a basis for functionality testing to be performed later.

System:	XYZ Bank ATM
Goal of test	The goal of this use case is to test the withdrawal of cash from the ATM
Description	Context: This is core functionality, so this is an important test of a frequent usage function
	Actors: Any user may use this function
Preconditions	The ATM is on and functional The user has a current debit card
Description of use case flow	ATM start screen is showing 1. the user inserts card 2. the user types in PIN 3. the user selects "cash with receipt" 4. the user selects £50 5. the user selects "no further service"
Expected results	The ATM returns the card, delivers £50 and a receipt, clears the screen and displays the start screen
Failure conditions	On screen instructions not clearly displayed On screen instructions not simple to follow Card not returned (see functional tests)
Additional attention points	Note response times

Which one of the comments, described hereafter, would be the MOST important one you would make?

[K3] 2 credits

A. Acceptance criteria not defined
B. Business priority is missing
C. Post condition not defined
D. Alternative flows are missing

Correct Answer: D

Section: Reviews
Explanation

Explanation/Reference:

QUESTION 33
You are starting to review some of the incident reports that have been submitted as a result of test execution.

Description	Strange tab behaviour and wrong error message	Date	12 August 2009
Tester	Mr. Bug	Priority	Medium
Test case ID	02.05	Severity	Low

Which THREE of the comments would be your main findings when you have reviewed the following incident report?

[K4] 3 credits, 2 out of 3 correct 1 credit

A. Should have been two defect reports
B. Ambiguous description
C. Both severity and priority do not make sense
D. Actual cause is missing
E. Reproducibility is not indicated
F. Defect type is missing
G. Date to be fixed not defined

Correct Answer: ABE
Section: Defect Management
Explanation

Explanation/Reference:

QUESTION 34
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.

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

[K2] 1 credit

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

Correct Answer: A
Section: Defect Management
Explanation

Explanation/Reference:

QUESTION 35
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.

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- Provide the customer to give general feedback

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The test basis contains the following:
- Story boards that show the information flow and page links through the site
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- 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 TWO of the following items may more frequently need to be explained in greater detail for non- functional defect reports than for a functional defect report?

[K2] 1 credit

A. Expected results
B. Steps to reproduce the defect
C. Test data used to identify the fault
D. Level of load on the system at the time of failure
E. Actual results

Correct Answer: AD
Section: Defect Management
Explanation

Explanation/Reference:

QUESTION 36
Your test team is currently executing interoperability testing. Consider the following excerpt from the failure description of an interoperability defect report:

1. Connect external camera to a Windows Vista PC.

2. Start the camera application on the PC. Application starts normally and recognizes connected camera.
3. Attempt to download the recorded data from the camera.
4. Data does not download.
5. Attempt to download the data three times. Data will not down--load.

Based on this information alone, which of the problems described hereafter exists in this defect report?

[K4] 3 credits

A. Lack of structured testing
B. Inadequate classification information
C. Insufficient isolation
D. Poorly documented steps to reproduce

Correct Answer: B
Section: Defect Management
Explanation

Explanation/Reference:

QUESTION 37
Consider the following description in a defect report "Nasty bug trashed contents of new file that I created by formatting some text in symbol font, wasting my time."

Which TWO of the following comments would you immediately make based on the defect description above?

[K4] 3 credits, 1 out of 2 correct 1 credit

A. Needs to be neutralized
B. Steps to reproduce are unclear
C. No attempt to isolate the defect
D. More than one defect in one report
E. Possible duplicate

Correct Answer: AB
Section: Defect Management
Explanation

Explanation/Reference:

QUESTION 38
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

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The test basis contains the following:
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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.
We now make the assumption that in the scenario described as above, exploratory testing was selected as being the main test technique. You have now been given the task of specifying, executing and recording the exploratory test sessions.

Select TWO of the options below to define what you will typically use for specifying, executing and recording the sessions?

[K3] 2 credits

A. Record the results in email and send the email to the test manager.
B. Use external testers on the team to provide a new approach and fresh view to the testing effort.
C. Create test charters for planned test session.
D. Use debriefing sessions with stakeholders and other testers to discuss the findings and new risks identified.
E. Define concrete test cases to be executed by the developers.

Correct Answer: CD
Section: Defect Management
Explanation

Explanation/Reference:

QUESTION 39
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.

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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

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

Correct Answer: C
Section: Defect Management
Explanation

Explanation/Reference:

QUESTION 40
In an organization using keyword-driven automation, which of the following activities typically is the responsibility of the test analyst?

[K2] 1 credit

A. Write the code to automate the key processes
B. Work with the users to define the key usability aspects of the software
C. Identify the key business processes that must be tested
D. Write manual tests for the key business processes that can then be automated

Correct Answer: C
Section: Test Tools
Explanation

Explanation/Reference:

QUESTION 41
To enhance both the effectiveness and efficiency of the test design phase the purchase of a test design tool is being considered. Which one of the statements hereafter best characterizes a test design tool?

[K2] 1 credit

A. It validates models of the software
B. It enables tests to be executed automatically
C. It enables individual tests to be traced to requirements
D. It generates test inputs or executable tests from requirements

Correct Answer: D
Section: Test Tools
Explanation

Explanation/Reference:

QUESTION 42
Which of the following criteria on test progress would enable the business to determine a likely 'go live' date?

(i) Number of tests planned versus number of tests executed (ii) Number of high priority defects outstanding
(iii) The test team's timesheets in order to show how much effort has been devoted to testing (iv) Number of tests passed and number failed
(v) Number of defects found in each development area
(vi) The rate at which defects are being found

[K2] 1 credit

A. (ii), (iii), (iv)
B. (i), (iii), (v)
C. (i), (ii), (vi)
D. (iv), (v), (vi)

Correct Answer: C
Section: Test Process
Explanation

Explanation/Reference:

QUESTION 43
As a test analyst you are involved in the early stages of an acceptance test for a Product Data Management system. You are asked to write test designs and test cases based on use cases. An early version of the system is also already available. It is a known fact that on the implementation level many things will change (including the user-interface). The tests will be carried by end-users with much domain knowledge who have also been involved in the project defining the user requirements and reviewing documentation.
What is the BEST option regarding the level of detail and documentation required for test cases in the project?

[K4] 3 credits

A. Detailed concrete test cases since many re-runs of the tests are expected
B. Logical test cases supported by concrete test cases to allow for traceability and enable future changes
C. Concrete test cases only since the end-users have extensive domain knowledge
D. Logical test cases only since the end-user have extensive domain knowledge and many changes are expected thus reducing testware maintenance effort

Correct Answer: D
Section: Test Process
Explanation

Explanation/Reference:

QUESTION 44
As a test analyst you are gathering data to support accurate metrics. Which of the following metrics would be MOST appropriate to use to monitor product quality?

[K2] 1 credit

A. Defects found versus defects expected
B. Tests run and tests passed
C. Test resources spent versus budget
D. Compliance to entry criteria
E. Product risks outstanding and new risks introduced

Correct Answer: ABE
Section: Test Process
Explanation

Explanation/Reference:

QUESTION 45
Which of the following tasks and responsibilities do NOT belong to that of a test analyst in the context of evaluating exit criteria and reporting?

[K2] 1 credit

A. The test analyst should be able to use the reporting tools
B. The test analyst is responsible for supplying accurate information
C. The test analyst will contribute to the final report at the end of the testing
D. The test analyst should write final test reports objectively

Correct Answer: D
Section: Test Process
Explanation

Explanation/Reference:
answer is well modified.

QUESTION 46
What is the MOST important reason why test conditions should be understandable by stakeholders?

[K2] 1 credit

A. They should be able to review the test conditions and provide feedback to the test analyst
B. They should be able to use them as a basis for designing test cases
C. They should be able to use them to establish traceability to requirements
D. Test documentation should always be understandable by all stakeholders

Correct Answer: A
Section: Test Process
Explanation

Explanation/Reference:

QUESTION 47
Working together with the test manager during test planning, which of the following activities is NOT expected to be performed by the test analyst?

[K2] 1 credit

A. Review the test estimates of the test manager
B. Review the test plan for non-functional testing
C. Organize adequate test resources
D. Being involved in risk management sessions

Correct Answer: C
Section: Test Process
Explanation

Explanation/Reference:

QUESTION 48
Which of the following statements is TRUE with respect to when the test analyst should become involved during different lifecycle models?
[K2] 1 credit

A. In a sequential V-model project the test analyst should start test analysis and design concurrently with coding
B. In Agile projects the test analyst should start test analysis and design concurrently with coding
C. In a sequential model project the test analyst should start test analysis and design concurrently with software design
D. In an embedded iterative model the test analyst should expect to be involved in the standard planning and design aspects

Correct Answer: D
Section: Test Process
Explanation

Explanation/Reference:

QUESTION 49

Which of the following is a type of testing that someone in the role of a test analyst, working with the test manager, should typically consider and plan for?

[K2] 1 credit

A. Security testing
B. Reliability testing
C. Accessibility testing
D. Performance testing

Correct Answer: C
Section: Test Process
Explanation

Explanation/Reference:
:

QUESTION 50
Which of the following is a typical work product that the Test Analyst would deliver as part of the test closure activities?

[K2] 1 credit

A. A list of all deferred defects
B. A list of all rejected defect reports
C. A list of all defects found in production and fixed in this release
D. A list of all resolved defects

Correct Answer: A
Section: Test Process
Explanation

Explanation/Reference:

QUESTION 51
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

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

Correct Answer: D
Section: Test Management
Explanation

Explanation/Reference:

QUESTION 52
Which of the following is the LEAST appropriate action to mitigate product risks for a web application?

[K3] 2 credits

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

Correct Answer: A
Section: Test Management
Explanation

Explanation/Reference:

QUESTION 53
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

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

Correct Answer: A

Section: Test Management
Explanation

Explanation/Reference:

QUESTION 54
A company offering house insurance policies has several policy options. They depend on the following factors:

- Building type: house, semi-detached, apartment building, cottage Material: wood, concrete, brick, mixed
Location: city, suburb, countryside, wilderness

It has been decided to use the pair wise test technique and apply 2-wise coverage. To design the test case an appropriate orthogonal array needs to be located.

Which of the following orthogonal arrays is to be selected for testing the house insurance policies?

[K3] 3 credits

A.

	1	2	3	4	5
1	1	1	1	1	1
2	1	2	3	3	1
3	1	3	2	3	2
4	1	2	2	1	3
5	1	3	1	2	3
6	1	1	3	2	2
7	2	2	2	2	2
8	2	3	1	1	2
9	2	1	3	1	3
10	2	3	3	2	1
11	2	1	2	3	1
12	2	2	1	3	3
13	3	3	3	3	3
14	3	1	2	2	3
15	3	2	1	2	1
16	3	1	1	3	2
17	3	2	3	1	2
18	3	3	2	1	1

B.

	1	2	3	4	5	6	7	8
1	1	1	1	1	1	1	1	1
2	1	1	2	2	2	2	2	2
3	1	1	3	3	3	3	3	3
4	1	2	1	1	2	2	3	3
5	1	2	2	2	3	3	1	1
6	1	2	3	3	1	1	2	2
7	1	3	1	2	1	3	2	3
8	1	3	2	3	2	1	3	1
9	1	3	3	1	3	2	1	2
10	2	1	1	3	3	2	2	1
11	2	1	2	1	1	3	3	2
12	2	1	3	2	2	1	1	3
13	2	2	1	2	3	1	3	2
14	2	2	2	3	1	2	1	3
15	2	2	3	1	2	3	2	1
16	2	3	1	3	2	3	1	2
17	2	3	3	1	3	1	2	3
18	2	3	3	2	1	2	3	1

C.

	1	2	3
1	1	1	1
2	1	2	2
3	1	3	3
4	1	4	4
5	2	1	2
6	2	2	3
7	2	3	4
8	2	4	1
9	3	1	3
10	3	2	4
11	3	3	1
12	3	4	2
13	4	1	4
14	4	2	1
15	4	3	2
16	4	4	3

D.

	1	2	3
1	1	1	1
2	1	2	2
3	1	3	3
4	1	4	3
5	2	1	2
6	2	2	3
7	2	3	2
8	2	4	1
9	3	1	3
10	3	2	1
11	3	3	1
12	3	4	2

A. Exhibit A
B. Exhibit B
C. Exhibit C
D. Exhibit D
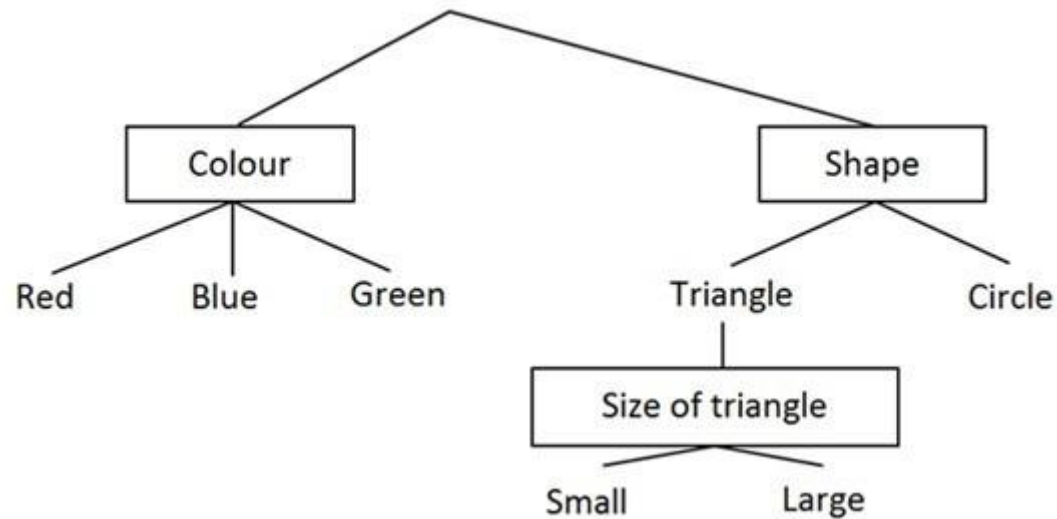
Correct Answer: C
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 55
Based on the classification tree show below, how many test cases are required using the classification tree method?

[K3] 2 credits

A. 2
B. 3
C. 4
D. 6

Correct Answer: B
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:
answer is valid.

QUESTION 56
You are applying pairwise testing and using orthogonal arrays. The following steps are all part of the process to be followed.

i) Determine the number of choices for each variable
ii) Map the test problem onto the orthogonal array
iii) Construct the test cases
iv) Identify the variables
v) Locate an appropriate orthogonal array

What is the correct order of the above mentioned process steps?

[K3] 2 credits

A. i, ii, iv, v, iii
B. iv, ii, v, iii, i
C. iv, i, iii, v, ii
D. iv, i, v, ii, iii

Correct Answer: D
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 57
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

How many test cases will be needed to achieve minimum coverage?

[K3] 2 credits

A. 1
B. 4
C. 5
D. 7

Correct Answer: D
Section: Specification-Based Test Techniques
Explanation

QUESTION 58
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

A. 10
B. 12
C. 16
D. 20

Correct Answer: C
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:

QUESTION 59
You are testing an ATM based on the following use case;

ATM start screen is showing
1. The user inserts card
2. The user types in PIN
3. The user selects 'cash with receipt'
4. The user selects 50
5. The user selects 'no further service'

Expected results
- The ATM provides 50 to the user
- The ATM return the card and balance slip
- The ATM clears the screen

- The ATM returns to start menu

In your test log which of the following could be noted as part of additional attention points?

[K3] 2 credits

A. Issues regarding time-behavior
B. Issues regarding interoperability
C. More test cases needed to achieve full coverage
D. Expected results not clearly defined

Correct Answer: A
**Section: Specification-Based Test Techniques**
Explanation

Explanation/Reference:

QUESTION 60
Supercar
Supercar is an online vehicle sales website specializing in single manufacturer's Sports Utility Vehicles (SUVs) and saloons. A vehicle has two key elements, power unit and body style. The manufacturer offers three choices of power unit: petrol, diesel and hybrid. There are 3 main body styles: Saloon, Hatchback and SUV. SUVs only come as petrol and diesel options. Hybrid is available for Hatchback only. The site will allow an order to be processed if the chosen vehicle configurations are in stock, otherwise a message will be displayed asking the user to try again later.

Based on the specification the following classification tree has been developed:
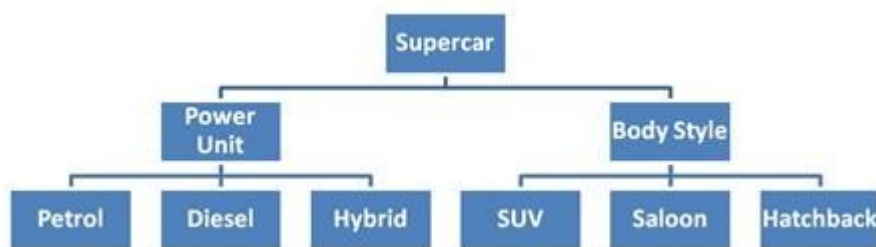
Based on the "Supercar" classification tree the following positive test cases have been created:

Test case	Power Unit	Body Style
1	Petrol	SUV
2	Diesel	Saloon
3	Petrol	Hatchback

Which test case is needed to complete the set?

[K3] 2 credits

A. Power Unit: Hybrid, Body Style: Saloon
B. Power Unit: Diesel, Body Style: Hatchback
C. Power Unit: Petrol, Body Style: Saloon
D. Power Unit: Hybrid, Body Style: Hatchback

Correct Answer: D
Section: Specification-Based Test Techniques
Explanation

Explanation/Reference:
corrected.