Vendor:ISTQB

Exam Code:ATA

Exam Name: Advanced Test Analyst

Version: Demo

QUESTION 1

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

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

QUESTION 2

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

QUESTION 3

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

QUESTION 4

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

QUESTION 5

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:

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

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

QUESTION 6

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

QUESTION 7

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

QUESTION 8

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

QUESTION 9

Your test team is currently executing interoperability testing. Consider the following excerpt from the failure

description of an interoperability defect report:

Connect external camera to a Windows Vista PC.

Start the camera application on the PC. Application starts normally and recognizes connected camera.

Attempt to download the recorded data from the camera.

Data does not download.

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

QUESTION 10

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

	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

A.

	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

B.

	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

C.

	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

D.

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 11

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
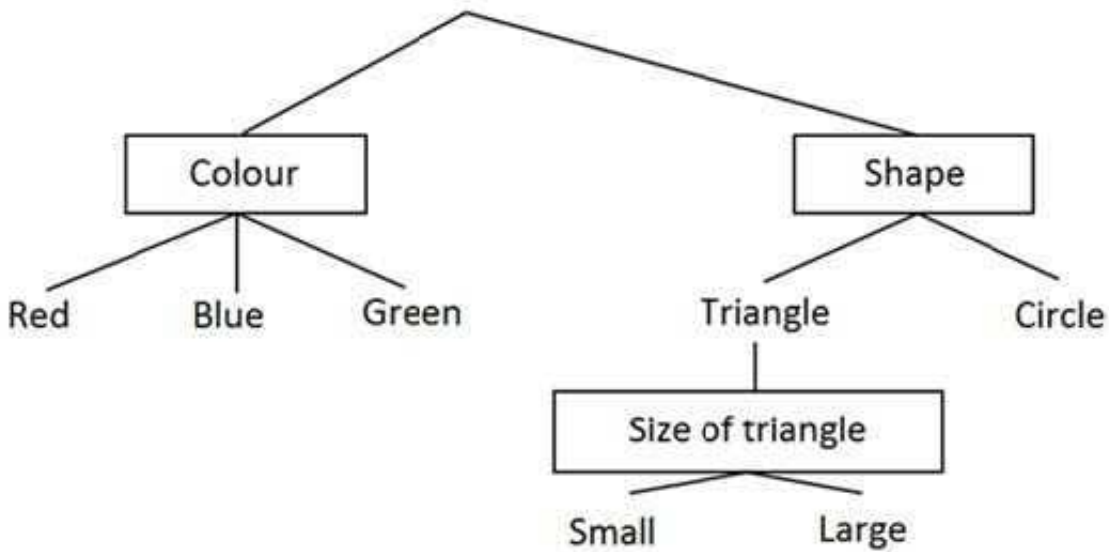
B. 4

C. 6

D. 8

Correct Answer: D

QUESTION 12

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