

ATA.exam.34q

Number: ATA
Passing Score: 800
Time Limit: 120 min



<https://www.gratisexam.com/>

ATA

Advanced Test Analyst

<https://www.gratisexam.com/>

Exam A

QUESTION 1

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?

<i>Test set (i)</i>		
Civil Status	Salary	Number of Children
<i>Married</i>	<i>€ 20.000</i>	<i>4</i>
<i>Not Married</i>	<i>€ 22.000</i>	<i>3</i>
<i>Married</i>	<i>€ 18.000</i>	<i>2</i>
<i>Test set (ii)</i>		
Civil Status	Salary	Number of Children
<i>Not Married</i>	<i>€ 19.000</i>	<i>8</i>
<i>Not Married</i>	<i>€ 20.000</i>	<i>6</i>
<i>Married</i>	<i>€ 50.000</i>	<i>4</i>
<i>Test set (iii)</i>		
Civil Status	Salary	Number of Children
<i>Married</i>	<i>€ 20.000</i>	<i>10</i>
<i>Not Married</i>	<i>€ 22.000</i>	<i>5</i>
<i>Not Married</i>	<i>€ 20.001</i>	<i>0</i>
<i>Test set (iv)</i>		
Civil Status	Salary	Number of Children
<i>Not Married</i>	<i>€ 22.000</i>	<i>1</i>
<i>Not Married</i>	<i>€ 18.000</i>	<i>2</i>
<i>Married</i>	<i>€ 18.000</i>	<i>3</i>



<https://www.gratisexam.com/>

- A. (i)
- B. (ii)
- C. (iii)
- D. (iv)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 3

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

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 <ol style="list-style-type: none"> 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?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

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?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 8

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

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 9

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

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

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



<https://www.gratisexam.com/>

- 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

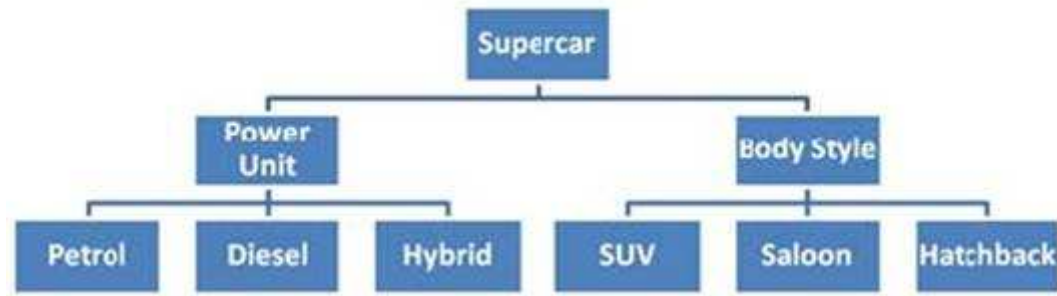
Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

Study the “Supercar” classification tree, which of the following statements is correct?



- 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: (none)

Explanation

Explanation/Reference:

QUESTION 11

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 12

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 13

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 14

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 15

During the test execution defects are found on non-compliance 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?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

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 to be used to support interoperability tests?

A. Equivalence Partitioning



<https://www.gratisexam.com/>

B. Statement testing

C. Vulnerability Scan

D. Defect Taxonomies

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

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?

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

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

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?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

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?

- A. 1
- B. 4
- C. 5

D. 7

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

Which of the following statements is TRUE with respect to when the test analyst should become involved during different lifecycle models?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 21

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 22

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?

- 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

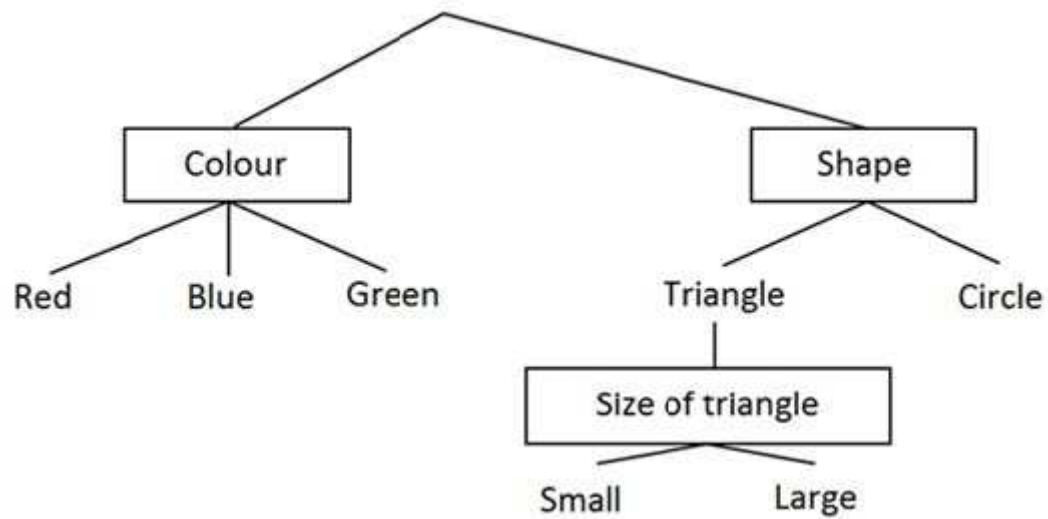
Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

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



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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

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

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 25

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?



<https://www.gratisexam.com/>

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

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

- 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: (none)

Explanation

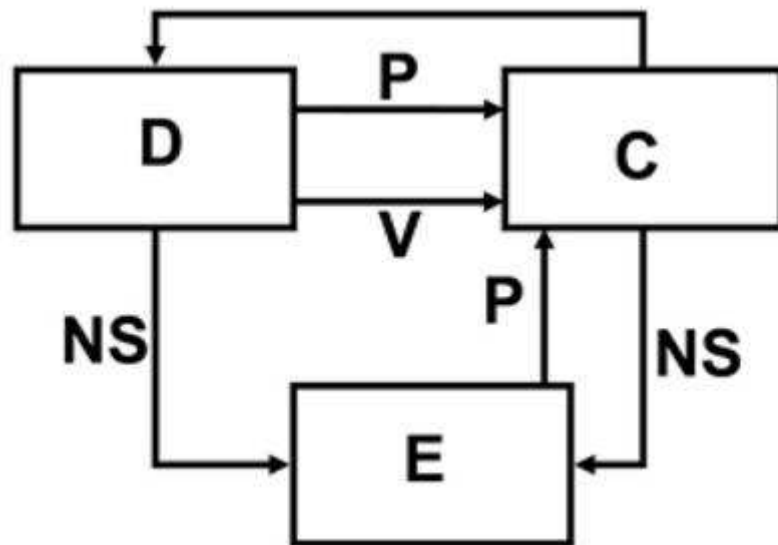
Explanation/Reference:

QUESTION 27

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	-	-	-

U



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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 29

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 30

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?

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 31

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 download—load.

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

- A. Lack of structured testing
- B. Inadequate classification information

- C. Insufficient isolation
- D. Poorly documented steps to reproduce

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

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?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

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

- 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: (none)

Explanation

Explanation/Reference:

QUESTION 34

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

- 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: (none)

Explanation

Explanation/Reference:



<https://www.gratisexam.com/>