



iSQI

Exam Questions CTFL_Syll2018

ISTQB Certified Tester Foundation Level (Syllabus 2018)

NEW QUESTION 1

- (Exam Topic 1)

The following sentences refer to the Standard for Software Test Documentation' specification (IEEE 829). Which sentence is correct?

- A. The key to high quality test documentation regimes is strict adherence to this standard
- B. Any deviation from this standard should be approved by management, marketing & development
- C. This test plan outline is relevant for military projects For consumer market projects there is a different specification with fewer items
- D. Most test documentation regimes follow this spec to some degree, with changes done to fit a specific situation or organization

Answer: A

NEW QUESTION 2

- (Exam Topic 1)

Which of the following is NOT an objective of testing?

- A. Finding defects
- B. Providing information for decision-making
- C. Analyzing and removing the cause of failures
- D. Gaining confidence about the level of quality of the software

Answer: B

NEW QUESTION 3

- (Exam Topic 1)

The following program part is given: IF (condition A)

then DO B

END IF

How many test cases are necessary in order to achieve 100% statement coverage?

- A. 1
- B. 2
- C. 4
- D. a very high number

Answer: B

NEW QUESTION 4

- (Exam Topic 1)

Which of the following test types is a part of the V-Model?

- A. Black-box testing
- B. White-box testing
- C. Experience-based testing
- D. Component testing

Answer: D

NEW QUESTION 5

- (Exam Topic 1)

Which of the following statements about decision tables are TRUE?

- A. Generally, decision tables are generated for low risk test itemsI
- B. Test cases derived from decision tables can be used for component tests.II
- C. Several test cases can be selected for each column of the decision table.I
- D. The conditions in the decision table represent negative tests generally.
- E. I, III
- F. II, III
- G. II, IV
- H. I, IV

Answer: C

NEW QUESTION 6

- (Exam Topic 1)

Which of the following is NOT an example of a typical risk-based testing activity?

- A. The evaluation of a risk-management tools to decide which tool to use for future projects
- B. The focus of testing is shifted to an area in the system where tests find with more defects than expected
- C. Brainstorming sessions are held with a wide variety of stakeholders to identify possible failures in the system
- D. Tests are prioritized to ensure that those associated with critical parts of the system are executed earlier

Answer: B

NEW QUESTION 7

- (Exam Topic 1)

Which of the following tool types is the most useful one for a test manager?

- A. Modeling tool
- B. Static analysis tool
- C. Coverage measurement tool
- D. Defect tracking tool

Answer: C

NEW QUESTION 8

- (Exam Topic 1)

Once a bug is fixed, it should be retested. What is the term used to define this type of testing?

- A. Reliability Testing
- B. Confirmation Testing
- C. Maintainability Testing
- D. Regression Testing

Answer: B

NEW QUESTION 9

- (Exam Topic 1)

Where and by whom is Beta testing normally performed?

- A. By customers or potential customers at their own locations
- B. By an independent test team at the developing organization's location
- C. At the developing organization's site, but not by the developing team
- D. By customers or potential customers at the developing organization's site

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

A Software was re-deployed because the backend database was changed from one vendor to another The Test Manager decided to perform some functional tests on the redeployed system. This is an example of test of which test type?

- A. Regression tests
- B. Non-functional tests
- C. Structural tests
- D. Unit tests

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

Out of the following, what is not needed to specify in defect report?

- A. How to fix the defect
- B. Severity and priority
- C. Test environment details
- D. How to reproduce the defect

Answer: A

NEW QUESTION 15

- (Exam Topic 1)

When testing a mission critical system a high coverage should be achieved. Which of the following techniques should be implemented as a structural based coverage technique in order to achieve highest coverage?

- A. multiple condition coverage
- B. decision table
- C. use case testing
- D. statement coverage

Answer: A

NEW QUESTION 17

- (Exam Topic 1)

The following incident report that was generated during test of a web application What would you suggest as the most important report improvement?

Defect detected date: 15.8.2010 Defect detected by: Joe Smith Test level System test

Test case Area 5/TC 98 Build version: 2011-16.2

Defect description After having filled out all required fields in screen 1,1 click ENTER to continue to screen 2. Nothing happens, no system response at all.

- A. Add an impact analysis
- B. Add information about which developer should fix the bug
- C. Add the time stamp when the incident happened
- D. Add information about which web browser was used

Answer: A

NEW QUESTION 19

- (Exam Topic 1)

"Statement Testing" is part of;

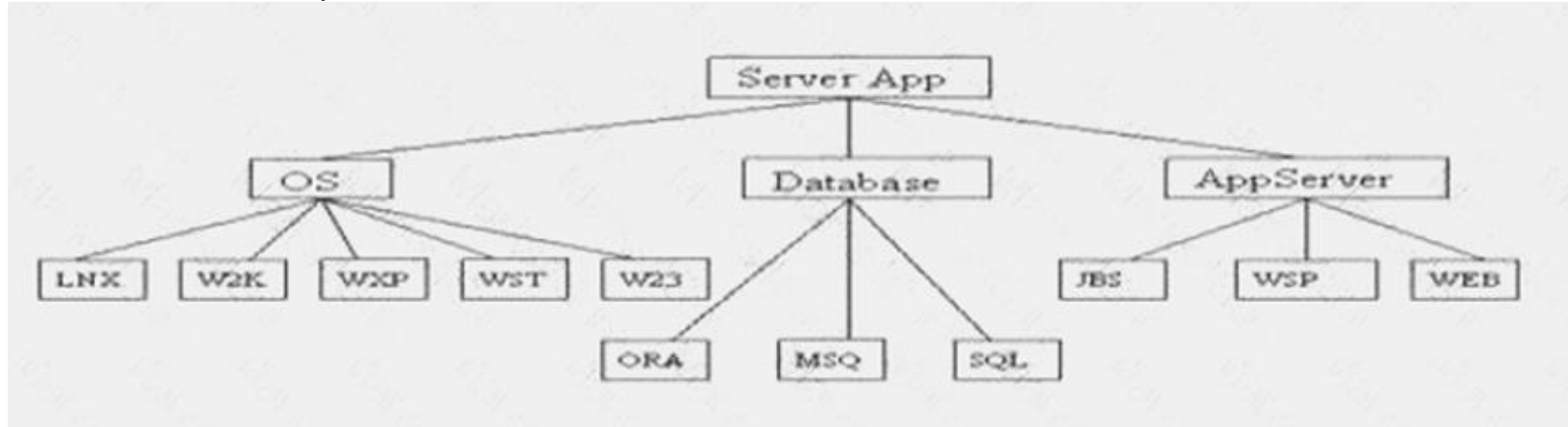
- A. Experience based testing
- B. Decision Testing
- C. Specification Based testing
- D. Structured based testing

Answer: D

NEW QUESTION 23

- (Exam Topic 1)

The following diagram lists various types of operating systems, databases and application servers supported by the application under test. For complete coverage of all combinations, how many combinations of the above are to be tested?



- A. 11
- B. 5
- C. 45
- D. 3

Answer: D

NEW QUESTION 24

- (Exam Topic 1)

A software company decided to buy a commercial application for its accounting operations. As part of the evaluation process, the company decided to assemble a team to test a number of candidate applications.

Which team would be the most suitable for this goal?

- A. A team from an outsourcing company which specializes in testing accounting software
- B. A team with a mix of software testers and experts from the accounting department
- C. A team of users from the accounting department that will need to use the application on dairy basis
- D. A team from the company's testing team, due to their experience in testing software

Answer: D

NEW QUESTION 26

- (Exam Topic 1)

What does the term 'Pesticide paradox' refer to?

- A. The phenomena where a piece of code that has a lot of bugs is likely to have more hidden, yet unfound
- B. The decreasing efficiency of debugging when done in code that has many bugs
- C. Reduced effectiveness of test cases that are repeated and focused on the same scenarios
- D. The redundancy of testing the same objects in both black and white box techniques

Answer: C

NEW QUESTION 30

- (Exam Topic 1)

Testing should provide sufficient information to stakeholders to make informed decisions about the release of the software or system being tested. At which of the following fundamental test process activity the sufficiency of the testing and the resulting information are assessed?

- A. Implementation and execution
- B. Requirements specification
- C. Evaluating exit criteria and reporting.
- D. Analysis and design

Answer: C

NEW QUESTION 35

- (Exam Topic 1)

Which statement about use case testing is true?

- A. The test cases are designed to find defects in the data flow.
- B. The test cases are designed to find defects in the process flow
- C. The test cases are designed to be used by real users, not by professional testers
- D. The test cases are always designed by customers or end users

Answer: B

NEW QUESTION 37

- (Exam Topic 1)

Which of the following errors CANNOT be found with structure-based testing techniques?

- A. Memory is leaking
- B. Features are only partially implemented
- C. Data structures that are used before initialization
- D. Division by zero

Answer: A

NEW QUESTION 40

- (Exam Topic 1)

Which ONE of the following statements does NOT describe how testing contributes to higher quality?

- A. Performing a review of the requirement specifications before implementing the system can enhance quality
- B. The testing of software demonstrates the absence of defects
- C. Properly designed tests that pass reduce the level of risk in a system
- D. Software testing identifies defects, which can be used to improve development activities.

Answer: B

NEW QUESTION 45

- (Exam Topic 1)

What is the difference between system integration testing and acceptance testing?

- A. System integration testing is testing non-functional requirements Acceptance testing concentrates on the functionality of the system
- B. System integration testing is executed by the developer
- C. Acceptance testing is done by the customer
- D. System integration testing verifies that a system interfaces correctly with other system
- E. Acceptance testing verifies compliance to requirements
- F. System integration testing verifies compliance to requirements Acceptance testing verifies correct interaction with other systems existing in the user's environment

Answer: B

NEW QUESTION 50

- (Exam Topic 2)

When should testers be involved in reviewing a UAT specification? [K1]

- A. At the beginning of the project
- B. As soon as requirements have been approved
- C. As soon as the UAT specification has been drafted
- D. At any time before UAT begins

Answer: C

NEW QUESTION 55

- (Exam Topic 2)

The Cambrian Pullman Express has special ticketing requirements represented by the partial decision table below.
Refer to the exhibit

Conditions	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6
First Class ticket	Y	N	N	N	Y	N
Std Class Flexible ticket	N	Y	N	N	N	Y
Std Class Day Return	N	N	Y	N	N	N
Std Class Super Saver	N	N	N	Y	N	N
Railcard holder	N	N	N	N	Y	Y
Actions						
OK to travel	Y	N	N	N	Y	N
Eligible for upgrade	N	Y	N	N	N	Y
Concessionary fare	N	N	N	N	Y	Y

Carol has a student railcard and is travelling on a Flexible Standard Class ticket. James has a senior railcard and is travelling on a super saver ticket. Which of the options represents the correct actions for these two test cases? [K3]

- A. Carol is eligible to upgrade; James cannot use the service
- B. Carol is OK to travel; James is eligible for an upgrade
- C. Carol and James are both eligible to upgrade
- D. Carol is OK to travel; James cannot use the service

Answer: A

NEW QUESTION 56

- (Exam Topic 2)

What can testing demonstrate?

- A. Testing can demonstrate that there are no defects
- B. Testing can demonstrate that there are defects
- C. Testing can demonstrate that the software is correct
- D. Testing can demonstrate that there are no hidden defects in the software

Answer: B

NEW QUESTION 61

- (Exam Topic 2)

What is static analysis?

- A. The decision between using white or black box test techniques.
- B. Executing software to validate the most common path through the code.
- C. A technique to find defects in software source code and software models, performed without executing code.
- D. It is a testing technique used during system testing.

Answer: C

NEW QUESTION 66

- (Exam Topic 2)

From the following list, which of the following apply to experience-based techniques? [K2]

- A. Test cases are derived from a model of the problem to be solved or the software
- B. Test cases are derived from the knowledge of the testers
- C. The knowledge of testers, developers and users is used to drive testing
- D. The internal structure of the code is used to derive test cases
- E. a and b.
- F. c and d.
- G. a and d.
- H. b and c.

Answer: D

NEW QUESTION 68

- (Exam Topic 2)

Component testing may include:

- A. Sociability testing.
- B. User acceptance testing.
- C. Beta testing.
- D. The use of stubs and drivers.

Answer: D

NEW QUESTION 69

- (Exam Topic 2)

What is decision table testing?

- A. It's a testing design technique based in the internal software structure.
- B. It's a static test design technique.
- C. It's a testing design technique to verify decisions.
- D. It's a testing design technique based in the system requirements.

Answer: D

NEW QUESTION 74

- (Exam Topic 2)

Which of the following statements about use-case testing are most accurate? (i) In a use-case diagram an actor represents a type of user.

(ii) Use-cases are the most common test basis for unit testing.

(iii) A use-case describes interactions between actors.

(iv) An actor is always a human user that interacts with the system. (v) Test cases can be based on use-case scenarios.

(vi) Use-case testing will often identify gaps not found by testing individual components.

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

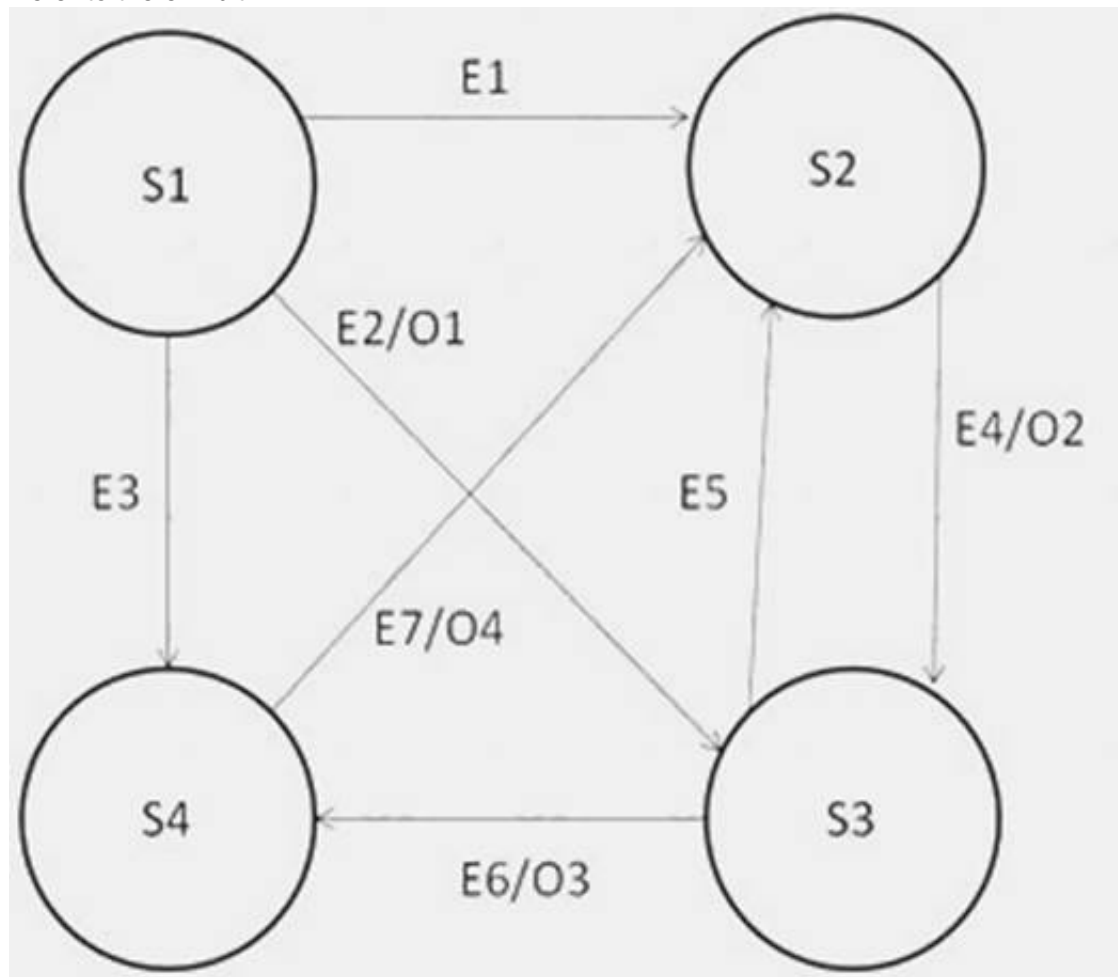
Answer: B

NEW QUESTION 76

- (Exam Topic 2)

A test case starts at S1 and triggers 4 events in sequence: E1, E4, E5, E7. What will be the finishing state and the output(s) from the test case? [K3]

Refer to the exhibit



- A. S2 and O4
- B. S4 and O2
- C. S4 and O4
- D. S2 and O2

Answer: D

NEW QUESTION 80

- (Exam Topic 2)

Which of the following BEST defines static techniques? [K1]

- A. Executing the software work product
- B. Manually examining the code or project documentation
- C. Automated analysis of the code or project documentation
- D. Manual examination and automated analysis of code or project documentation

Answer: D

NEW QUESTION 83

- (Exam Topic 2)

Which of the main activities of the fundamental test process does the task 'verify the test environment set up is correct' relate to? [K1]

- A. Planning and control
- B. Analysis and design
- C. Implementation and execution
- D. Evaluating exit criteria and reporting

Answer: C

NEW QUESTION 85

- (Exam Topic 2)

A client-server system for a web development must support a minimum of 200 enquiries per hour. In peak times, it must be available 24 hours x 7 days due to the critical nature of the application, and must have a response time lower than 20 seconds during peak loads.

Which of the following set of test types would be most appropriate to verify the non-functional requirements expressed in this statement?

- A. Performance, Usability, Regression.
- B. System, Load, Fail-over.
- C. Performance, Load, Stress.
- D. Load, Volume and Component.

Answer: C

NEW QUESTION 87

- (Exam Topic 2)

Which of the following BEST describes the relationship between test planning and test execution? [K2]

- A. Test planning ensures the level of detail in test procedures is appropriate for test execution
- B. Test planning schedules test execution but does not assign resources
- C. Test planning defines the overall approach to testing but does not schedule specific activities such as test execution
- D. Test planning identifies test objectives related to scope and risk but does not define the level of detail for test procedures used in test execution

Answer: A

NEW QUESTION 91

- (Exam Topic 2)

Consider the following pseudo code

1. Begin
2. Read Gender
3. Print "Dear"
4. If Gender = 'female'
5. Print ("Ms")
6. Else
7. Print ("Mr")
8. Endif
9. End

How many test cases are needed to achieve 100 per cent decision coverage?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: B

NEW QUESTION 92

- (Exam Topic 2)

Under which of the following circumstances is maintenance testing required? [K1]

- A. Migration of software onto a new platform
- B. Testing during initial development of a replacement for an existing system
- C. Purchase of a new software tool
- D. Updating of a regression suite

Answer: A

NEW QUESTION 94

- (Exam Topic 2)

Which of the following would NOT be a typical target of testing support tools?

- A. Automate activities that require significant resources when done manually
- B. Automate activities that cannot be executed manually
- C. Automate repetitive tasks
- D. Automating repetitive inspections

Answer: D

NEW QUESTION 97

- (Exam Topic 2)

Which of the following is a valid objective of testing? [K1]

- A. Correcting defects
- B. Locating defects in the code
- C. Preventing defects
- D. Ensuring no defects are present

Answer: C

NEW QUESTION 101

- (Exam Topic 2)

Which statement BEST describes when test planning should be performed? [K1]

- A. Test planning is performed only once, at the beginning of the life cycle, and generates a Master Test Plan
- B. Test planning is performed at the beginning of the life cycle and again at the beginning of test execution
- C. Test planning is performed at the beginning of the life cycle and again at every test level
- D. Test planning is performed continuously in all life cycle processes and activities

Answer: D

NEW QUESTION 104

- (Exam Topic 2)

Which of the following test design techniques is not a black box technique?

- A. Equivalence partitioning
- B. State transition testing
- C. Boundary value analysis
- D. Statement coverage

Answer: D

NEW QUESTION 106

- (Exam Topic 2)

Which of the following factors will MOST affect the testing effort required to test a software product? [K1]

- A. The number of staff available to execute tests
- B. The level of detail in the test plan
- C. The requirements for reliability and security in the product
- D. The test estimation method used

Answer: C

NEW QUESTION 111

- (Exam Topic 2)

Which of the following is a role of a formal review? [K1]

- A. Adjudicator
- B. Moderator
- C. Governor
- D. Corrector

Answer: B

NEW QUESTION 116

- (Exam Topic 2)

Equivalence Partitioning is best defined as:

- A. An analysis technique that divides inputs into groups that are expected to exhibit similar behaviors.
- B. Applying to time-related data classes only.
- C. A form of white-box testing.
- D. A method to reduce test coverage.

Answer: A

NEW QUESTION 121

- (Exam Topic 2)

Testers are often seen as the bearer of unwanted news regarding defects. What are effective ways to improve the communication and relationship between testers and others?

- a) Communicate factual information in a constructive way.
- b) Try to understand how the other person feels and why they react the way they do.
- c) Always outsource testing activities.
- d) Never record information that could be used to apportion blame to an individual or team.

- A. a and b
- B. a, b and c
- C. a, b and d
- D. a and c

Answer: A

NEW QUESTION 126

- (Exam Topic 2)

Consider the following pseudo code:

1. Begin
2. Input X, Y
3. If $X > Y$
4. Print (X, 'is greater than', Y)
5. Else
6. Print (Y, 'is greater than or equal to', X)
7. EndIf
8. End

What is the minimum number of test cases required to guarantee both 100% statement coverage and 100% decision coverage?

- A. Statement coverage = 3, Decision coverage = 3
- B. Statement coverage = 2, Decision coverage = 2
- C. Statement coverage = 1, Decision coverage = 2
- D. Statement coverage = 2, Decision coverage = 1

Answer: B

NEW QUESTION 130

- (Exam Topic 2)

Test script TransVal 3.1 tests transaction validation via screen TRN 003B. According to the specification (PID ver 1.3 10b iv) the validation screen should not accept future dated transactions. Test script TransVal 3.1 passes. Test script eod 1.4 tests end of day processing and is run after the execution of TransVal 3.1 using data entered during that test

Which of the following is the BEST detail on an incident report? [K3]

- A. Titl
- B. End of Day failure.. Reproducibl
- C. Ye
- D. Descriptio
- E. Script eod 1.4 fails when the first transaction of the day is a future dated transactio
- F. Screen shot of the failure attached.
- G. Titl
- H. Transaction input screen validation..Reproducibl
- I. Ye
- J. Descriptio
- K. Script eod 1..4 fails . Screen shot of the failure attache
- L. Validation of transaction entryon screen TRN-003B should not allow future dated transactions – see PID ver 1.3 para 10b iv.
- M. Titl
- N. Screen TRN-003B validation of transaction date.. Reproducibl
- O. N
- P. Descriptio
- Q. When a future dated transaction is processed by the end of day process, a failure can occu
- R. This does not always happe
- S. Screen shot of the failure attached.
- T. Titl
- . Screen TRN-003B validation of transaction dat
- . Reproducibl
- . Ye
- . Descriptio
- . Script eod 1.4 fails when the first transaction of the day is a future dated transactio
- . Screen shot of the failure attache
- . Validation of transaction entry on screen TRN-003B should not allow future dated transactions– see PID ver 1.3 para 10b iv.

Answer: D

NEW QUESTION 132

- (Exam Topic 2)

A bank is developing a new service that will be delivered via the web. The user interactions are defined as a set of use cases and the service is designed to be available continuously 24/7. In view of the challenging characteristics of the service the test manager has decided that the code should be thoroughly tested at component level.

Which of the following test types will be required during the development? [K2]

- A. Functional testing to test security at the system level, load testing at the system level to ensure the system availability is acceptable, regression testing at all levels, structure based testing at the component level only
- B. Functional testing to test the use cases at component level, reliability testing to test availability at the integration level, regression testing at the system testing level only, structure based testing at all levels
- C. Functional testing of the use cases at system level, load testing at component level to ensure availability is acceptable, regression testing at the system and acceptance levels only, and structure based testing at the integration level only
- D. Functional testing to test security at the acceptance level, load testing at the acceptance test level to ensure availability is acceptable, regression testing at the acceptance level only to ensure late changes are made correctly, and structure based testing at the component level

Answer: A

NEW QUESTION 136

- (Exam Topic 2)

Which of the following accurately defines the integration testing test level? [K2]

- A. Test basis includes software and system design, test objects include interfaces, and tests concentrate on the interactions between different parts of a system
- B. Test basis includes component requirements, test objects include database modules, and tests concentrate on the behaviour of the system as a whole.
- C. Test basis includes business processes, test objects include system configuration and configuration data, and tests concentrate on establishing confidence in the system
- D. Test basis includes use cases, test objects include user procedures and tests concentrate on a high level model of system behaviour

Answer: A

NEW QUESTION 140

- (Exam Topic 2)

What content would be in an incident report if that incident report was based on the IEEE 829 Standard for SoftwareTest Documentation?

- (i)Identification of configuration items of the software or system. (ii)Software or system lifecycle process in which the incident was observed. (iii)Description of the anomaly to enable reproduction of the incident. (iv)Number of occurrences of the incident.
- (v) Classification of the cause of the incident for metrics and for reporting purposes. Number of correct answers: 1

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

Answer: A

NEW QUESTION 143

- (Exam Topic 2)

A system calculates the amount of customs duty to be paid:

- _ No duty is paid on goods value up to, and including, \$2,000.
- _ The next \$8,000 is taxed at 10%.
- _ The next \$20,000 after that is taxed at 12%.
- _ Any further amount after that is taxed at 17%.

To the nearest \$, which of these groups of numbers fall into three DIFFERENT equivalence classes?

- A. \$20,000 \$20,001 \$30,001
- B. \$2,000 \$2,001 \$10,000
- C. \$2,000 \$8,000 \$20,000
- D. \$1,500 \$2,000 \$10,000

Answer: C

NEW QUESTION 144

- (Exam Topic 2)

Which of the following are 'Exit Criteria?'

- A. Acceptance criteria, completion criteria, pass/fail criteria.
- B. Coverage of code, schedule, estimates of defect density.
- C. The last executable statement within a component.
- D. Cost overruns.

Answer: B

NEW QUESTION 148

- (Exam Topic 2)

An iPhone application identifies and counts all purchases of a particular product from a shopping website. The application incorrectly counts purchase attempts by including both failed attempts, and also those where the purchase was terminated by the user before completion. Testing has identified that the problem was located in the 'purchase identification' module, where the first stage in the purchasing process was counted, rather than a successful confirmed purchase.

Which of the following statements correctly identifies what has happened? [K2]

- A. The application failed because of a defect in the purchase identification module caused by a programmer mistake or an error in the specification.
- B. An error by the programmer led to a mistake in the purchase identification module and this caused a defect in the application
- C. A defect in the purchase identification module caused by a mistake in the module specification led to a defect in the overall application
- D. A bug in the purchase identification module caused a fault in the application

Answer: A

NEW QUESTION 149

- (Exam Topic 2)

Refer to the exhibit

The following test cases need to be run, but time is limited, and it is possible that not all will be completed before the end of the test window

#	Description	Priority	Note
a	Re-test defect no 52	Low	Re-test
b	Ability to amend transaction type	High	
c	Re-test defect no 26	High	Re-test
d	Run regression test script	Medium	Regression
e	Print monthly sales figures	Medium	
f	Add special invoice to previous month	Low	
g	Reprint selected previous sales figures	High	Must be run after item e
h	Account administrator able to amend any previous month's sales figures	Low	
i	Print year-to-date figures	Medium	

The first activity is to run any re-tests, followed by the regression test script. Users have supplied their priority order to tests. Which of the following gives an appropriate test execution schedule, taking account of the prioritisation and other constraints? [K3]

- A. b, c, g, d, e, i, a, f, h
- B. a, c, d, b, g, e, i, f, h
- C. c, a, d, b, e, g, i, h, f
- D. d, c, a, e, b, g, i, f, h

Answer: C

NEW QUESTION 151

- (Exam Topic 2)

Test objectives for systems testing of a safety critical system include completion of all outstanding defect correction. Regression testing is required following defect correction at all test levels. Which TWO of the following metrics would be MOST suitable for determining whether the test objective has been met? [K2]

- A. Regression tests run and passed in systems testing
- B. Incidents closed in systems testing
- C. Planned tests run and passed in system testing
- D. Planned tests run and passed at all levels of testing
- E. Incidents raised and closed at all levels of testing
- F. a and e
- G. b and c
- H. d and e
- I. a and b

Answer: A

NEW QUESTION 155

- (Exam Topic 2)

The four test levels defined for a common V-model testing approach are:

- A. Unit, integration, system and maintenance.
- B. Functional, glass box, incremental and maintenance.
- C. Component, integration, system and acceptance.
- D. Unit, component, functional and alpha/beta.

Answer: C

NEW QUESTION 159

- (Exam Topic 2)

Which of the following test design techniques is classified as a structure-based (white box) technique? [K1]

- A. Exploratory testing
- B. Decision table testing
- C. State transition testing
- D. Statement testing

Answer: D

NEW QUESTION 163

- (Exam Topic 2)

When an organization considers the use of testing tools, they should:

- A. Use a tool in order to help define a good test process because the tool will force process repeatability and therefore enforce good test process.
- B. Always start by bringing in automated test execution tools as these tools have the greatest return on investment and therefore should be introduced first.
- C. Perform analysis of the test process and then assess whether it can be supported through the introduction of tool support.

D. Allow the developers to select the testing tools because tools are technical and developers have the appropriate skills to advise on test tool selection and configuration.

Answer: C

NEW QUESTION 166

- (Exam Topic 2)

What is the value of static code analysis?

- A. Detection of failures not easily found by other types of testing
- B. Early defect detection
- C. Detection of suspicious operations caused by deviations from regulations
- D. Detect deviations in standards by executing the source code

Answer: B

NEW QUESTION 168

- (Exam Topic 2)

Before an invoice can be created, an account is required. Before an account can be set up, an account user is required (in order to set up the account). The software is delivered with a master user only, who can only create other types of users. The following test cases have been written to test the high-level structure of the software

- A. Create an invoice
 - B. Amend an invoice
 - C. Process an invoice (send to customer)
 - D. Delete an invoice
 - E. Create an account
 - F. Create an account user
 - G. Amend an account user
 - H. Delete an account user
 - I. Amend an account
 - J. Delete an account
- Which of the following test procedures would enable all tests to be run? [K3]
- K. f, g, a, c, b, d, e, i, j, h
 - L. e, i, a, c, b, d, f, g, h, j
 - M. e, i, f, g, a, c, b, d, h, j
 - N. f, g, e, i, a, b, c, d, j, h

Answer: D

NEW QUESTION 170

- (Exam Topic 3)

Which statement about Static Testing is TRUE?

- A. Static testing can be applied to any work product that participants know how to read and understand.
- B. Static testing must only be applied to final work products that have been signed off.
- C. Static testing must be conducted by users of the product being tested.
- D. Static testing executes the code to verify the functionality is as expected.

Answer: A

NEW QUESTION 172

- (Exam Topic 3)

Which of the following type of defect would NOT be typically found by using a static analysis tool?

- A. A variable is defined but is then not used
- B. A variable is used in a calculation before it is defined
- C. A variable has the wrong numeric value passed into it
- D. A variable is used but not declared

Answer: C

NEW QUESTION 173

- (Exam Topic 3)

During which stage of the fundamental test process is the testability of requirements evaluated?

- A. Test Execution.
- B. Test Planning.
- C. Test Design.
- D. Test Analysis.

Answer: D

NEW QUESTION 175

- (Exam Topic 3)

Tests have been specified for the latest software release and users have prioritised these.

However, there are some dependencies between tests as shown in the table below (e.g. Test ID. '123' cannot be run until Test ID. '456' has been successfully completed).

Test ID.	Description	Prioritisation	Dependency
1	List all users on screen	Low	
2	Regression test of daily processing	Medium	
3	Create an invoice	High	4
4	Change user details	Medium	1
5	Print all outstanding invoices	High	
6	Chase all outstanding invoices	Medium	5
7	Regression test of weekly processing	High	2
8	Amend invoice details	Medium	3
9	Bank reconciliation processing	Medium	3
10	Mark invoice as paid	High	9

Which test execution schedule best meets the prioritisation and dependency conditions?

- A. 3, 5, 7, 10, 2, 4, 6, 8, 9, 1.
- B. 5, 7, 4, 3, 9, 10, 1, 6, 8, 2.
- C. 6, 1, 2, 9, 4, 3, 5, 7, 8, 10.
- D. 1, 4, 3, 5, 2, 7, 9, 10, 6, 8.

Answer: D

NEW QUESTION 177

- (Exam Topic 3)

Which of the following activities do NOT belong to test implementation and execution?

- A. Checking if the preconditions of test execution have been met
- B. Logging of test results
- C. Test data generation
- D. Prioritizing test conditions

Answer: D

NEW QUESTION 178

- (Exam Topic 3)

Integration testing has following characteristics.

- A. It can be done in incremental mannerI
- B. It is always done after system testingII
- C. It includes functional testsIV It includes non-functional tests
- D. I and IV are correct
- E. I III and IV are correct
- F. TI is correct
- G. II and III are correct

Answer: B

NEW QUESTION 182

- (Exam Topic 3)

Which of the following is an example of Static testing?

- A. Calculating path coverage using tools
- B. Performance testing
- C. Requirements review
- D. Usability testing

Answer: A

NEW QUESTION 186

- (Exam Topic 3)

At what stage of the Fundamental Test Process do testers write the steps of the test procedures?

- A. Test implementation and execution
- B. Evaluating exit criteria and reporting
- C. Test closure activities
- D. Test planning and control

Answer: A

NEW QUESTION 189

- (Exam Topic 3) The following condition is given: Integer x, y; IFx>0ANDx< 100

y = y + x; END-IF

Using boundary analysis for x. which test cases are required?

- A. -1,0,1,99,100, 101

- B. -1,0, 100,101
- C. -500,-10,0.1,99.100.101,500
- D. 0, 1.99, 100

Answer: B

NEW QUESTION 193

- (Exam Topic 3)

Which of the following is by definition a reactive test approach?

- A. Risk-based testing
- B. Automation of regression tests
- C. Exploratory testing
- D. Requirements-based testing

Answer: C

NEW QUESTION 197

- (Exam Topic 3)

Load testing tool checks for:

- A. presence of bugs in user interface
- B. the number of testers needed in order to achieve "dead line"
- C. correct functional behavior of the system under test
- D. time response and resource utilization

Answer: D

NEW QUESTION 201

- (Exam Topic 3)

Which of the following test execution outcomes are likely to increase the overall quality of the software:

- I) A test case passes
- II) A test case fails, defect gets logged which subsequently gets fixed
- III) Some tests are deferred because test environment is not available
- IV) A bug is found but there is no corresponding test case

- A. I, II and III
- B. I and IV
- C. I and II
- D. I, II and IV

Answer: C

NEW QUESTION 204

- (Exam Topic 3)

Which test design technique can be used for effectively testing system requirements consisting of logical conditions?

- A. Boundary value analysis
- B. Use case testing
- C. Equivalence partitioning
- D. Decision table testing

Answer: A

NEW QUESTION 205

- (Exam Topic 3)

To which of the following test levels regression testing be applied?

- A. Component TestingI
- B. Integration TestingII
- C. System TestingI
- D. Acceptance Testing
- E. II, III, IV
- F. I, II
- G. I, II, III
- H. I, II, III, IV

Answer: C

NEW QUESTION 209

- (Exam Topic 3)

Why is it important to select a test technique?

- A. Test techniques define the number of regression cycles, which in turn impact the project schedule
- B. Selecting the right test technique in a given situation increases the effectiveness of the test process by creating tests with higher chance of finding bugs.
- C. The only way to test a software application is by using well proven test techniques.
- D. There are usually too many test cases that may be run on a syste

E. Test techniques help reduce the number of tests.

Answer: D

NEW QUESTION 210

- (Exam Topic 3)

A holiday club restricts those booking the holiday, to people between the ages of 18 and 30 inclusive. Using three-point boundary values, what ages would be required to test the lower and upper boundary?

- A. 17, 18, 19, 29, 30, 31.
- B. 17, 18, 19, 30, 31, 32.
- C. 18, 19, 20, 28, 29, 30.
- D. 16, 17, 18, 30, 31, 32.

Answer: A

NEW QUESTION 213

- (Exam Topic 3)

Which of the following statements about estimation of the test effort is WRONG?

- A. Effort estimate can be inaccurate because the quality of the product under tests is not known.
- B. Once the test effort is estimated, resources can be identified and a schedule can be drawn up.
- C. Experience based estimation is one of the estimation techniques.
- D. Effort estimate depends on the budget of the project.

Answer: D

NEW QUESTION 218

- (Exam Topic 3)

Which of the following represents good testing practice for testers, irrespective of the software lifecycle model used?

- A. They should start test analysis when the corresponding development level is complete
- B. They should be involved in reviewing requirements or user stories as soon as drafts are available
- C. They should ensure that the same test objectives apply to each test level
- D. They should minimize the ratio of development levels to test levels to reduce project costs

Answer: D

NEW QUESTION 222

- (Exam Topic 3)

Which of the following statements describes regression testing?

- A. Retesting of a fixed defectII Testing of an already tested programII
- B. Testing of new functionality in a programI
- C. Regression testing applies only to functional testingV Tests that do not have to be repeatable
- D. because they are only used once
- E. II
- F. I
- G. IV, V
- H. I.IV
- I. I, III, IV

Answer: A

NEW QUESTION 225

- (Exam Topic 3)

Your task is to compile a test execution schedule for the current release of software. The system specification states the following logical dependencies:

- An admin user must create/amend/delete a standard user.
- A standard user is necessary to perform all other actions.

The test plan requires that re-tests must be performed first, followed by the highest priority tests. To save time, the test plan states that tests should be scheduled to create test data for the subsequent tests in the schedule.

The following test cases have been designed, with an indication of priority (1 being the highest priority) and whether the test has previously failed.

Id	Description	Priority	Failed
a	Log in as standard user and create customer account	2	Y
b	Order one item	3	N
c	Create invoice for order	1	Y
d	Order two items or more	3	Y
e	Log in as admin user and create a standard user	2	N

Which test execution schedule meets the test plan requirements and logical dependencies?

- A. a, d, c, b, e
- B. a, c, b, d, e
- C. e, a, b, c, d
- D. e, a, d, c, b

Answer: C

NEW QUESTION 229

- (Exam Topic 3)

Which of the following can be a common objective of testing?

- A. Gaining confidence about the level of the system's quality
- B. Fixing defects to improve the system's quality characteristics
- C. Providing information as part of the debugging activity
- D. Making sure the system performs as fast and as efficient as needed

Answer: B

NEW QUESTION 233

- (Exam Topic 3)

When a test case is created based on a Use Case, what type of test is created?

- A. Structural Test
- B. Functional Test
- C. Performance test
- D. Regression Test

Answer: A

NEW QUESTION 234

- (Exam Topic 3)

Which of the following is NOT a valid use of decision coverage?

- A. Checking that all decisions have been exercised in a single program
- B. Checking that all decisions have been exercised in a business process
- C. Checking that all calls from one program module to another have been made correctly
- D. Checking that at least 50% of decisions have been exercised by a test case suite

Answer: D

NEW QUESTION 238

- (Exam Topic 3)

Which type of software development product can undergo static testing?

- A. Any software development product can undergo static testing, including requirements specifications, design specifications and code
- B. Static testing is done only on the requirement
- C. You need to execute the software in order to find defects in the code
- D. Static testing is done only on the code as part of the "code review" sessions Other documents are reviewed, but not by static testing Static tests
- E. should be performed on the installation and user guide documents as these documents are used by the end user

Answer: C

NEW QUESTION 240

- (Exam Topic 3)

Which of the following is a defect that is more likely to be found by a static analysis tool than by other testing techniques?

- A. Omission of a major requirement
- B. Inadequate decision coverage
- C. Component memory leakage
- D. Variables that are not used improperly declared

Answer: D

NEW QUESTION 242

- (Exam Topic 3)

Which one of the following statements about techniques for estimating test effort is correct?

- A. The metrics-based technique finds the most similar former project and uses its original estimate for the current project.
- B. The expert-based approach is based on the experience of the owners of the testing tasks or by subject matter experts.
- C. The metrics-based technique uses metrics supplied by the current test team based on their subjective feel for effort required.
- D. In an expert-based approach, the test lead with the most years in the role is chosen to produce the estimate.

Answer: B

NEW QUESTION 243

- (Exam Topic 3)

What type of testing is important after Migration, retirement or enhancement of an existing system?

- A. Regression testing
- B. Operational acceptance testing
- C. System Testing
- D. Maintenance testing

Answer:

B

NEW QUESTION 244

- (Exam Topic 3)

Can "cost" be regarded as Exit criteria'?

- A. No The financial value of product quality cannot be estimated so it is incorrect to use cost as an exit criteria
- B. Ye
- C. Spending too much money on testing will result in an unprofitable product, and having cost as an exit criteria helps avoid this
- D. Yes Going by cost as an exit criteria constrains the testing project which will help achieve the desired quality level defined for the project
- E. No The cost of testing cannot be measured effectively, so it is incorrect to use cost as an exit criteria

Answer: C

NEW QUESTION 245

- (Exam Topic 3)

What is a typical benefit of use case testing?

- A. Finding failures in the possible states transitions
- B. Clearer identification of system equivalence partitioning
- C. Finding of failures in the business process flows, which highlight system use in the real world
- D. Identification of bugs in the system components.

Answer: C

NEW QUESTION 247

- (Exam Topic 3)

Which of the following are triggers for Maintenance testing?

- a) System migration from one platform to another.
- b) Retirement of a system.
- c) Preparation for an audit of a system.
- d) Modifications to a system.
- e) Development of a whole new system.

- A. a, c and d.
- B. b, c and e.
- C. a, d and e.
- D. a, b and d.

Answer: A

NEW QUESTION 250

- (Exam Topic 3)

Which of the following defects-can NOT be found by static analysis tools?

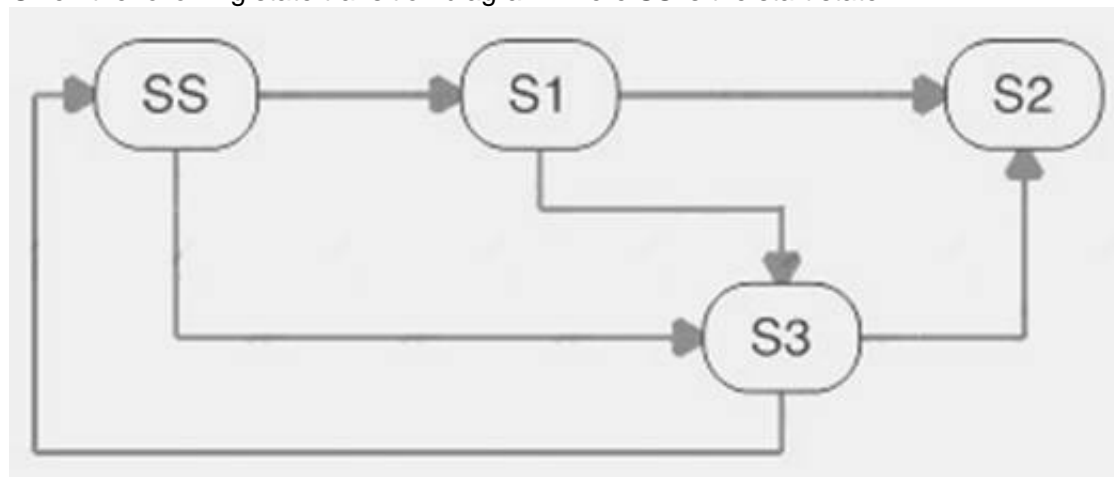
- A. Infinite loops
- B. Wrong business rules
- C. Syntax errors of the code
- D. Undefined variables

Answer: B

NEW QUESTION 251

- (Exam Topic 3)

Given the following state transition diagram where SS is the start state:



Which of the following answers describes a test case that only uses valid transitions to exercise all states, using the minimum number of transitions?

- A. SS-S3-SS-S1-S3-S2.
- B. SS-S3-S2-S1.
- C. SS-S1-S2-S3.
- D. SS-S1-S3-S2.

Answer: D

NEW QUESTION 252

- (Exam Topic 3)

A system requirement states that up to 100 users should be able to carry out a transaction, with responses returned within 5 seconds. What type of non-functional testing would you carry out to verify these requirements?

- A. Stress testing
- B. Maintenance testing
- C. Load testing
- D. Usability testing

Answer: A

NEW QUESTION 256

- (Exam Topic 3)

For the code fragment given below, which answer correctly represents minimum tests required for statement and branch coverage respectively?

```
discountRate=1;
fare = 1000;
If ((person=="senior citizen") and (travelmonth==January))
    bonuspoints=100+bonuspoints
if (class == "first")
    discountRate = .5;
fare = fare*discountRate;
```

- A. Statement Coverage = 2 Branch Coverage = 4
- B. Statement Coverage = 1 Branch Coverage = 3
- C. Statement Coverage = 2 Branch Coverage = 2
- D. Statement Coverage = 1 Branch Coverage = 2

Answer: D

NEW QUESTION 259

- (Exam Topic 3)

A new testing tool has been selected for an organisation and a pilot project has successfully completed. The next step is to deploy the tool within the organization. What is a key success factor in tool deployment?

- A. Estimate a cost-benefit ratio based on a firm business case
- B. Determine whether benefits will be achieved at reasonable cost
- C. Provide support for the test team using the tool
- D. Assessment of organisational maturity, strengths and weaknesses

Answer: A

NEW QUESTION 262

- (Exam Topic 3)

Which of the following BEST describes a methodical approach to the Error Guessing test technique?

- A. A tester dynamically designs and executes tests based on their knowledge, exploration of the test item and the results of previous tests.
- B. An experienced tester makes a list of potential defects and failures, and designs and runs tests to generate these failures should the defects be present in the code.
- C. A tester designs, implements and executes tests to cover test conditions found in checklists that are based on what is important for the user.
- D. An inexperienced tester is asked to attempt to guess errors that may have been missed by experienced testers during formal test design.

Answer: A

NEW QUESTION 263

- (Exam Topic 3)

You are examining a document which gives the precise steps needed in order to execute a test. What is the correct definition of this document?

- A. Test design specification
- B. Test condition
- C. Test procedure specification
- D. Test case specification

Answer: C

NEW QUESTION 264

- (Exam Topic 3)

Consider the following pseudo-code


```
If (Walking && Midnight)
  If (Raining)
    Take umbrella and search light
  Else
    Take searchlight
End IF
Else if (Running && Sunshine)
  IF (Raining)
    Take umbrella
  End IF
Else keep doing what you were doing
End IF
```

How many minimum test cases are required to cover 100% Statement coverage and Decision coverage?

- A. 5 for Statement, 5 for Decision
- B. 4 for Statement, 5 for Decision
- C. 8 for Statement, 6 for Decision
- D. 6 for Statement, 8 for Decision

Answer: C

NEW QUESTION 267

- (Exam Topic 3)

Which of the following is NOT a valid objective of testing?

- A. Preventing defects from being introduced into the code
- B. Investigating and fixing defects in the software under test
- C. Gaining confidence that the system is fit-for-purpose
- D. Providing information for stakeholders' decision making

Answer: D

NEW QUESTION 270

- (Exam Topic 3)

Which of the following BEST describes checklist-based testing?

- A. An approach to testing whereby the testers dynamically design and execute tests based on their knowledge, exploration of the test item and the results of previous tests.
- B. An experience-based test technique whereby the experienced tester uses a high-level list of items to be noted, checked or remembered, or a set of rules or criteria against which a product has to be verified.
- C. A procedure to derive and/or select test cases based on an analysis of the specification, either functional or non-functional, of a component or system without reference to its internal structure.
- D. A test design technique which ensures that test cases are checked for consistency and completeness against an organisation's list of formatting rules and best practices.

Answer: B

NEW QUESTION 275

- (Exam Topic 3)

What is the ideal number of regression test cycles?

- A. As many as time and budget allow
- B. 2
- C. 1
- D. Until the quality requirements are met

Answer: A

NEW QUESTION 277

- (Exam Topic 3)

Which of the following would NOT be a common metric used for monitoring test preparation and execution?

- A. Number of Test cases passed and failed
- B. Percentage of planned test cases designed
- C. Number of test plan review comments
- D. Percentage of tasks complete in test environment preparation

Answer: B

NEW QUESTION 282

- (Exam Topic 3)

Which of the following options describe the causal chain in the correct sequence?

- A. Error, fault, failure
- B. Fault, bug, mistake
- C. Mistake, failure, fault
- D. Failure, bug, error

Answer: A

NEW QUESTION 285

- (Exam Topic 3)

Which of the following is a key characteristic of informal reviews?

- A. Metrics analysis
- B. Kick-off meeting
- C. Individual preparation
- D. Low cost

Answer: B

NEW QUESTION 287

- (Exam Topic 3)

What is a "test harness"?

- A. One of the topics that needs to be covered in the final Test Report.
- B. A general name for test data that is used by the test cases.
- C. A detailed description of a test case to enable its execution by non-expert tester.
- D. A test environment comprised of stubs and drivers needed to execute a test.

Answer: A

NEW QUESTION 288

- (Exam Topic 3)

A Test Manager conducts risk assessment for a project One of the identified risks is: "The sub-contractor may fail to meet his commitment" If this risk materializes, it will lead to delay in completion of testing required for the current cycle.

Which of the following sentences correctly describes the risk?

- A. It is a project risk since successful completion of the project depends on successful and timely completion of the tests
- B. It is a product risk since any risk associated with development timelines is a product risk
- C. It is a product risk since default on part of the sub-contractor may lead to delay in release of the product
- D. It is no longer a risk for the Test Manager since an independent party (the sub-contractor) is now managing it

Answer: D

NEW QUESTION 289

- (Exam Topic 3)

Which of the following are product risks?

- a) Failure prone software delivered.
- b) Software does not perform its intended functions.
- c) Insufficient staff available for testing.
- d) Test environment not ready on time.
- e) Poor data integrity and quality.

- A. b, c and e.
- B. b, d and e.
- C. a, b and e.
- D. b, c and d.

Answer: C

NEW QUESTION 292

- (Exam Topic 3)

A live defect has been found where a code component fails to release memory after it has finished using it. Which of the following tools would have been the MOST effective at detecting this defect prior to live implementation?

- A. Dynamic analysis tool
- B. Monitoring tool
- C. Configuration management tool
- D. Coverage measurement tool

Answer: A

NEW QUESTION 295

- (Exam Topic 3)

One of the exit criteria for a SW project was defined as "80% statement coverage". A test manager submitted the following report:
"We did not measure the statement coverage. However, we ensured 80% branch coverage, therefore the exit criteria was met".
Is the test manager right?

- A. No There is not direct relationship 80% branch coverage does not guarantee 80% statement coverage
- B. Ye
- C. 50% branch coverage guarantees 100% statement coverag
- D. With 80% branch coverage, the exit criteria is easily met.
- E. N
- F. The relation works the other way: 80% statement coverage guarantees 80% branch coverage
- G. Yes Coverage of 80% of the branches in the control flow guarantees 80% statement coverage

Answer: D

NEW QUESTION 296

- (Exam Topic 3)

Which of the following metrics are useful for monitoring the test progress?

- A. The number of features implemented in the code
- B. The number of changes done to the product's requirements
- C. Percentage of work done on the user's manuals
- D. Percentage of work done in test environment preparation

Answer: D

NEW QUESTION 299

- (Exam Topic 3)

Which of the following does NOT represent one of the three triggers for maintenance testing an operational system?

- A. Data migration
- B. System retirement
- C. System modification
- D. Introduction of a test management tool

Answer: D

NEW QUESTION 300

- (Exam Topic 3)

Which activity in the fundamental test process includes test script generation?

- A. Test closure activities
- B. Test analysis and design
- C. Test planning and control
- D. Test implementation and execution

Answer: C

NEW QUESTION 305

- (Exam Topic 3)

What is a defect density?

- A. The percentage of defects identified over the total number of test cases
- B. The deviation rate of the system from its expected behavior
- C. The ratio of the defects identified in these system over the expected number of total defects
- D. The number of defects identified in the system under test divided by the size of the system

Answer: C

NEW QUESTION 308

- (Exam Topic 3)

Which of the following are correct tasks during "Test analysis and design"?

- A. Designing and prioritizing test casesII Identifying any required infrastructure and toolsII
- B. Reviewing the test basisIV Creating test data and preparing test harnesses
- C. Writing automated test scripts
- D. II, III, IV, V
- E. I, III IV
- F. I, I
- G. III
- H. I, II

Answer: C

NEW QUESTION 311

- (Exam Topic 3)

Which of the following sentences is correct?

- A. Functional and Structural tests can be performed at all test levels
- B. Functional tests can be performed at Unit and Integration test levels, while Structural tests can be performed at System test level
- C. Functional and Structural test levels can be performed for all test types
- D. Functional tests can be performed at Integration and System test levels, while Structural tests can be performed at Unit test level

Answer: D

NEW QUESTION 316

- (Exam Topic 3)

In which development life cycle model is regression testing an increasingly important activity as the project progresses?

- A. V-model.
- B. Waterfall.
- C. Scrum.
- D. Progressive.

Answer: C

NEW QUESTION 317

- (Exam Topic 3)

Which of the following statements correctly describes traceability?

- A. The capability of the software product to enable modified software to be tested.
- B. An approach to integration testing where the component at the top of the component hierarchy is tested first.
- C. The degree to which a requirement is stated in terms that permit establishment of test design.
- D. The ability to identify related items in documentation, such as requirements v
- E. software design

Answer: D

NEW QUESTION 320

- (Exam Topic 3)

Which of the following is an approach that can be used for exploratory testing?

- A. Time-boxed test sessions are created, during which a tester uses a test charter containing test objectives to guide the testing.
- B. A tester methodically executes tests from a list of possible failures, based on experience, defect and failure data.
- C. A tester analyses, designs and implements tests based on external rules and standards.
- D. Tests are designed based on the guidance of stakeholders and experts outside the test team.

Answer: D

NEW QUESTION 323

- (Exam Topic 3)

Which of the following statements contradicts the general principles of testing?

- A. If new defects are to be found, we should run the same test set more often
- B. How testing is done, is based on the situation in a particular project.
- C. Testing is better if it starts at the beginning of a project
- D. Most defects are found in a small subset of a system's modules

Answer: A

NEW QUESTION 324

- (Exam Topic 3)

Which of the following statements about test execution effort is true?

- A. An increase in number of testers always reduces testing time.
- B. A large number of test repetitions mean less test execution effort.
- C. The test execution effort is independent of the number of test environments.
- D. The test case execution effort is dependent on the build quality.

Answer: D

NEW QUESTION 325

- (Exam Topic 3)

A program is used to control a manufacturing line (turn machines on and off. start and stop conveyor belts, add raw materials to the flow, etc.)

Not all actions are possible at all times For example, there are certain manufacturing stages that cannot be stopped - unless there is an emergency. A tester attempts to evaluate if all such cases (where a specific action is not allowed) are covered by the tests. Which coverage metric will provide the needed information for this analysis?

- A. Branch Coverage
- B. Statement coverage
- C. Data flow coverage
- D. Code coverage

Answer: B

NEW QUESTION 329

- (Exam Topic 3)

Which of the following is a correct reason to apply test automation?

- A. When a new test automation tool is launched
- B. When there are a lot of repetitive testing tasks
- C. When it is easy to automate
- D. When it is cheap to buy test automation tools

Answer: A

NEW QUESTION 334

- (Exam Topic 3)

Which one of the following statements about testing techniques is TRUE?

- A. Exploratory testing can replace black box techniques when testing time is very limited
- B. Test execution scheduling should give priority to experienced based testing
- C. Specification based techniques can be used as a substitute for a poorly defined test basis
- D. Experienced based techniques are systematic and produce detailed test documentation

Answer: A

NEW QUESTION 335

- (Exam Topic 3)

Which of the following is NOT a typical task for a test leader?

- A. Select the test approach
- B. Coordinate the test strategy
- C. Prepare and acquire test data
- D. Estimate the cost of testing

Answer: D

NEW QUESTION 337

- (Exam Topic 3)

What is integration testing?

- A. Looking for faults in larger components or subsystems
- B. Another term for testing system integrity
- C. Specifying which components to integrate in which order
- D. Testing that the interfaces work correctly

Answer: D

NEW QUESTION 338

- (Exam Topic 3)

Which set of test data (representing ages of human beings in years) given below shows equivalence partitioning to verify if a customer is in its thirties (A person whose age is between thirty and thirty-nine years, inclusive) or not?

- A. 25. 30. 40
- B. 30. 35, 25
- C. 20. 35, 39
- D. 30. 39. 45

Answer: A

NEW QUESTION 342

- (Exam Topic 3)

Which of the following would be LEAST appropriate as part of an incident report covering the observation of a failure during testing?

- A. The expected result for the list friends response time was less than 10 seconds, whereas the average response time obtained was 13 seconds.
- B. The user interface was complicated and confusing and I found it quite difficult to follow the test script.
- C. The updates made as part of the add new member' function did not reflect the expected change as the name was written into the address field.
- D. SQL injection into the username entry field allowed a variety of SQL commands to be executed by the application without the appropriate authority

Answer: A

NEW QUESTION 345

- (Exam Topic 3)

Which defect below is MOST likely to be found by a review during static testing?

- A. Incorrect interface specifications.
- B. Old versions of software in use.

- C. Performance bottlenecks.
- D. Broken links to web addresses.

Answer: A

NEW QUESTION 350

- (Exam Topic 3)

Which of the following statements about independent testing is WRONG?

- A. Independent testing is necessary because developers don't know any testing
- B. A certain degree of independence makes the tester more effective at finding defects
- C. Independent testing is best suited for the system test level
- D. Independent test teams may find other types of defects than developers who are familiar with the system's structure.

Answer: A

NEW QUESTION 355

- (Exam Topic 3)

A company purchased a new system which deals with all financial transactions in the company Which test types call for involvement of an expert from the financial department?

- A. Component testing
- B. Acceptance tests
- C. Maintenance testing
- D. System tests

Answer: D

NEW QUESTION 358

- (Exam Topic 3)

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6
Conditions:						
Car Driver	No	Yes	Yes	Yes	Yes	No
Motorcycle Driver	No	No	No	No	No	Yes
Diesel	N/A	Yes	Yes	No	No	N/A
Petrol	N/A	No	No	Yes	Yes	N/A
Engine < 1600cc	N/A	Yes	No	Yes	No	N/A
Engine >1600cc	N/A	No	Yes	No	Yes	N/A
Actions:						
Can claim expenses	No	Yes	Yes	Yes	Yes	Yes
Expenses claim band A	N/A	Yes	No	No	No	Yes
Expenses claim band B	N/A	No	Yes	No	No	No
Expenses claim band C	N/A	No	No	Yes	No	No
Expenses claim band D	N/A	No	No	No	Yes	No

The decision table above shows a company's fuel expenses structure. Which of the following Test Cases based on the decision table are Valid? Test Case 1:

An employee who is not a car or motorcycle driver attempts to claim fuel expenses. Expected result: Expense claim not allowed.

Test Case 2:

An employee who drives a 1700cc diesel car attempts to claim fuel expenses. Expected result: Expense claim accepted at band C.

Test Case 3:

An employee who rides a motorcycle attempts to claim fuel expenses. Expected result: Expense claim accepted at band A.

- A. Test Cases 1 and 3 are Valid, Test Case 2 is Invalid.
- B. Test Cases 2 and 3 are Valid, Test Case 1 is Invalid
- C. Test Cases 1, 2 and 3 are all Valid.
- D. Test Cases 2 is Valid, Test Cases 1 and 3 are Invalid

Answer: C

NEW QUESTION 360

- (Exam Topic 3)

During the development of a software change for a system, the developer makes a mistake in his work, which leads to a fault in the code. Unfortunately the fault is not found by software testing and is released into live.

What is the definite consequence of this mistake?

- A. The system will fail, causing a defect
- B. If the contained in a small, the system may fail
- C. Loss of money, time, or business reputation
- D. Contractual requirements have not been met by testing

Answer: B

NEW QUESTION 361

- (Exam Topic 3)

Your company is developing a system with complex business rules and many branches in the structure of its code components. You need to choose one black box technique and one white box technique for test case design. Which one of the following offers the BEST choice?

- A. Statement testing and exploratory testing
- B. Decision testing and equivalence partitioning
- C. Decision testing and decision table testing
- D. Boundary value analysis and decision table testing

Answer: D

NEW QUESTION 364

- (Exam Topic 3)

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6	Rule 7
Conditions							
Full Member	Y	N	N	N	N	N	N
Loyalty Card holder	Don't care	Y	Y	Y	Y	N	N
18 Holes	Don't care	Y	Y	N	N	Y	N
9 Holes	Don't care	N	N	Y	Y	N	Y
Buggy/Cart Request	Don't care	N	Y	N	Y	Don't care	Don't care
Actions							
No charge on Green Fees	Y	N	N	N	N	N	N
£12 Green Fees	N	N	N	Y	Y	N	N
£16 Green Fees	N	N	N	N	N	N	Y
£18 Green Fees	N	Y	Y	N	N	N	N
£22 Green Fees	N	N	N	N	N	Y	N
Buggy/Cart allowed	Y	Y	Y	Y	Y	N	N
Buggy/Cart Free	Y	N	N	N	N	N	N
Buggy/Cart £5	N	N	Y	N	Y	N	N

The decision table above reflects a golf club's pricing structure for green fees and buggy/cart hire. What is the expected result (actions) for each of the following two test cases (TC1 and TC2)?

* TC 1 - Paul is not a full member, is a Loyalty Card holder and requests to play 18 holes with a buggy/cart

* TC 2 - Cheryl is not at full member, doesn't have a Loyalty Card and requests to play 9 holes with a buggy/cart

- A. TC1 - £23 total charges including buggy hire; TC2 - £21 total charge including buggy hire
- B. TC1 - £18 total charges including buggy hire; TC2 - £16 total charge but no buggy allowed
- C. TC1 - £23 total charges including buggy hire; TC2 - £16 total charge but no buggy allowed
- D. TC1 - £17 total charges but no buggy allowed; TC2 - £21 total charge including buggy hire

Answer: D

NEW QUESTION 368

- (Exam Topic 3)

An online form has a "Title" input field The valid values for this field are: Mr, Ms, Mrs. Which of the following is a correct list of the equivalence classes of the input values for this field?

- A. Any one of: Mr, Mrs., Ms; any other input
- B. Mr: Ms; Mrs.: no input; any other input
- C. Any one of: Mr, Mrs., Ms; no input, any other input
- D. Mr; Mrs.; Ms; any other input

Answer: D

NEW QUESTION 373

- (Exam Topic 3)

Which option BEST describes how the level of risk is determined?

- A. The likelihood of an adverse event happening multiplied by the cost of preventing it
- B. The consequences of a potential problem multiplied by the cost of possible legal action
- C. The impact of an adverse event multiplied by the likelihood of that event occurring
- D. The likelihood and the probability of a hazard occurring

Answer: C

NEW QUESTION 377

- (Exam Topic 3)

Which two of the following statements are true?

- A. Software testing can be necessary to fulfill legal or contractual obligations.
- B. Software testing is done to essentially increase the quality of developers.
- C. Intensive testing can help reduce risks and problems during operation
- D. Intensive testing is used to prove correctness.
- E. C and D are true
- F. A and B are wrong.
- G. A and C are true
- H. B and D are wrong
- I. B and D are true
- J. A and C are wrong
- K. B and C are true, A and D are wrong

Answer: D

NEW QUESTION 382

- (Exam Topic 3)

How are statement testing and decision testing techniques similar?

- A. Both are specification-based testing techniques
- B. Both are experience-based testing techniques
- C. Both are structure-based testing techniques
- D. Both are black box test design techniques

Answer: D

NEW QUESTION 383

- (Exam Topic 3)

What is the order in which the specifications for test cases, test conditions and test procedures are developed as a part of the test development process?

- A. Test Procedure --> Test Condition -> Test Case
- B. Test Condition --> Test Case --> Test Procedure
- C. Test Procedure -> Test Case -> Test Condition
- D. Test Condition --> Test Procedure --> Test Case

Answer: A

NEW QUESTION 386

- (Exam Topic 3)

Your agile project has scheduled a final sprint before release to fix and re-test all open defects with a priority level of 3 or above.

The following defect report shows the defect fields that are currently being captured on the system. Title: Unable to add excursions to pre-paid cruises

Date raised: 21/05/18 Author: Emma Rigby Status: Fixed

What occurred: I went to book an excursion for a pre-paid cruise but received an error message saying, 'Facility not available'. I can book excursions on cruises that have not yet been fully paid.

What should have occurred: Requirement 3.12 says clearly that customers can add excursions after cruises have been fully paid so the facility should have been available (when an additional amount may now need to be paid).

Priority: 2

Software build: 2.1 Test level: System test

Environment details: System test 3

Which of ONE of the following additional defect report fields would be MOST beneficial for the sprint team to add?

- A. Severity.
- B. Test Script Id.
- C. Actual results.
- D. Expected results.

Answer: A

NEW QUESTION 387

- (Exam Topic 3)

What is basic idea of structure-based testing techniques?

- A. To allow developers to have their own testing technique.
- B. To do better testing, since the specifications are not needed.
- C. The more details of the source code are executed, the more faults can be found.
- D. To gain time, since structure-based techniques are easier to implement than specification-based techniques.

Answer: C

NEW QUESTION 390

- (Exam Topic 3)

Which of the following is a key difference between black box and white box test design techniques?

- A. Black box techniques use software code to derive test cases, white box techniques do not.
- B. White box techniques use functional design specifications to derive test cases, black box techniques do not.
- C. White box techniques can measure the extent of code coverage, black box techniques can not.
- D. White box techniques derive test cases from models of the software, black box techniques do not.

Answer: C

NEW QUESTION 393

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NEW QUESTION 1

- (Exam Topic 1)

The following sentences refer to the Standard for Software Test Documentation' specification (IEEE 829). Which sentence is correct?

- A. The key to high quality test documentation regimes is strict adherence to this standard
- B. Any deviation from this standard should be approved by management, marketing & development
- C. This test plan outline is relevant for military projects For consumer market projects there is a different specification with fewer items
- D. Most test documentation regimes follow this spec to some degree, with changes done to fit a specific situation or organization

Answer: A

NEW QUESTION 2

- (Exam Topic 1)

Which of the following is NOT an objective of testing?

- A. Finding defects
- B. Providing information for decision-making
- C. Analyzing and removing the cause of failures
- D. Gaining confidence about the level of quality of the software

Answer: B

NEW QUESTION 3

- (Exam Topic 1)

The following program part is given: IF (condition A)

then DO B

END IF

How many test cases are necessary in order to achieve 100% statement coverage?

- A. 1
- B. 2
- C. 4
- D. a very high number

Answer: B

NEW QUESTION 4

- (Exam Topic 1)

Which of the following test types is a part of the V-Model?

- A. Black-box testing
- B. White-box testing
- C. Experience-based testing
- D. Component testing

Answer: D

NEW QUESTION 5

- (Exam Topic 1)

Which of the following statements about decision tables are TRUE?

- A. Generally, decision tables are generated for low risk test itemsI
- B. Test cases derived from decision tables can be used for component tests.II
- C. Several test cases can be selected for each column of the decision table.I
- D. The conditions in the decision table represent negative tests generally.
- E. I, III
- F. II, III
- G. II, IV
- H. I, IV

Answer: C

NEW QUESTION 6

- (Exam Topic 1)

Which of the following is NOT an example of a typical risk-based testing activity?

- A. The evaluation of a risk-management tools to decide which tool to use for future projects
- B. The focus of testing is shifted to an area in the system where tests find with more defects than expected
- C. Brainstorming sessions are held with a wide variety of stakeholders to identify possible failures in the system
- D. Tests are prioritized to ensure that those associated with critical parts of the system are executed earlier

Answer: B

NEW QUESTION 7

- (Exam Topic 1)

Which of the following tool types is the most useful one for a test manager?

- A. Modeling tool
- B. Static analysis tool
- C. Coverage measurement tool
- D. Defect tracking tool

Answer: C

NEW QUESTION 8

- (Exam Topic 1)

Once a bug is fixed, it should be retested. What is the term used to define this type of testing?

- A. Reliability Testing
- B. Confirmation Testing
- C. Maintainability Testing
- D. Regression Testing

Answer: B

NEW QUESTION 9

- (Exam Topic 1)

Where and by whom is Beta testing normally performed?

- A. By customers or potential customers at their own locations
- B. By an independent test team at the developing organization's location
- C. At the developing organization's site, but not by the developing team
- D. By customers or potential customers at the developing organization's site

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

A Software was re-deployed because the backend database was changed from one vendor to another The Test Manager decided to perform some functional tests on the redeployed system. This is an example of test of which test type?

- A. Regression tests
- B. Non-functional tests
- C. Structural tests
- D. Unit tests

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

Out of the following, what is not needed to specify in defect report?

- A. How to fix the defect
- B. Severity and priority
- C. Test environment details
- D. How to reproduce the defect

Answer: A

NEW QUESTION 15

- (Exam Topic 1)

When testing a mission critical system a high coverage should be achieved. Which of the following techniques should be implemented as a structural based coverage technique in order to achieve highest coverage?

- A. multiple condition coverage
- B. decision table
- C. use case testing
- D. statement coverage

Answer: A

NEW QUESTION 17

- (Exam Topic 1)

The following incident report that was generated during test of a web application What would you suggest as the most important report improvement?

Defect detected date: 15.8.2010 Defect detected by: Joe Smith Test level System test

Test case Area 5/TC 98 Build version: 2011-16.2

Defect description After having filled out all required fields in screen 1,1 click ENTER to continue to screen 2. Nothing happens, no system response at all.

- A. Add an impact analysis
- B. Add information about which developer should fix the bug
- C. Add the time stamp when the incident happened
- D. Add information about which web browser was used

Answer: A

NEW QUESTION 19

- (Exam Topic 1)

"Statement Testing" is part of;

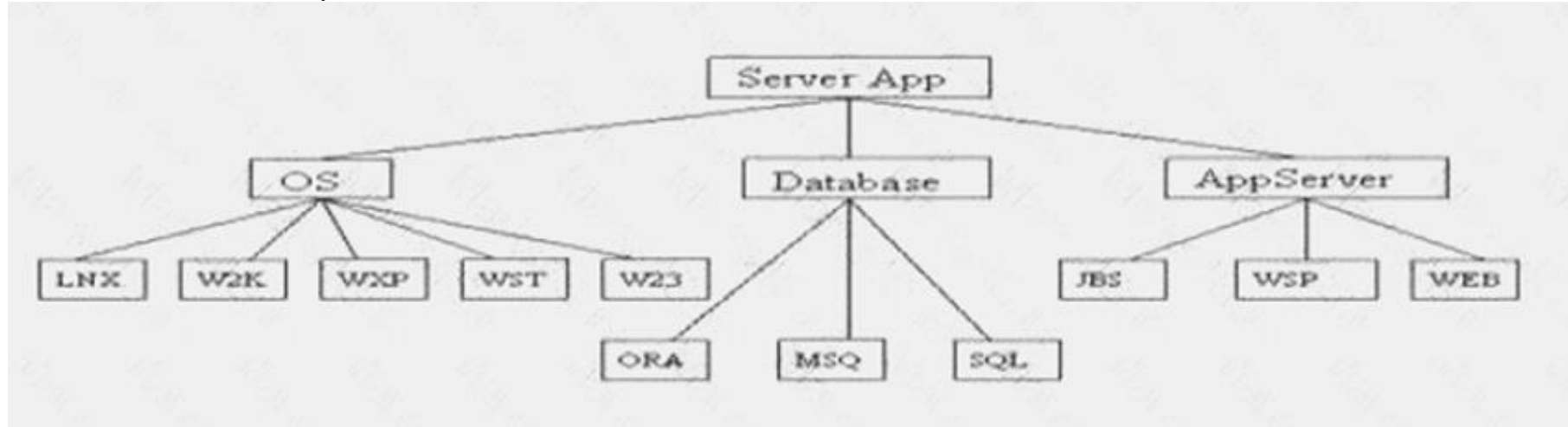
- A. Experience based testing
- B. Decision Testing
- C. Specification Based testing
- D. Structured based testing

Answer: D

NEW QUESTION 23

- (Exam Topic 1)

The following diagram lists various types of operating systems, databases and application servers supported by the application under test. For complete coverage of all combinations, how many combinations of the above are to be tested?



- A. 11
- B. 5
- C. 45
- D. 3

Answer: D

NEW QUESTION 24

- (Exam Topic 1)

A software company decided to buy a commercial application for its accounting operations. As part of the evaluation process, the company decided to assemble a team to test a number of candidate applications.

Which team would be the most suitable for this goal?

- A. A team from an outsourcing company which specializes in testing accounting software
- B. A team with a mix of software testers and experts from the accounting department
- C. A team of users from the accounting department that will need to use the application on dairy basis
- D. A team from the company's testing team, due to their experience in testing software

Answer: D

NEW QUESTION 26

- (Exam Topic 1)

What does the term 'Pesticide paradox' refer to?

- A. The phenomena where a piece of code that has a lot of bugs is likely to have more hidden, yet unfound
- B. The decreasing efficiency of debugging when done in code that has many bugs
- C. Reduced effectiveness of test cases that are repeated and focused on the same scenarios
- D. The redundancy of testing the same objects in both black and white box techniques

Answer: C

NEW QUESTION 30

- (Exam Topic 1)

Testing should provide sufficient information to stakeholders to make informed decisions about the release of the software or system being tested. At which of the following fundamental test process activity the sufficiency of the testing and the resulting information are assessed?

- A. Implementation and execution
- B. Requirements specification
- C. Evaluating exit criteria and reporting.
- D. Analysis and design

Answer: C

NEW QUESTION 35

- (Exam Topic 1)

Which statement about use case testing is true?

- A. The test cases are designed to find defects in the data flow.
- B. The test cases are designed to find defects in the process flow
- C. The test cases are designed to be used by real users, not by professional testers
- D. The test cases are always designed by customers or end users

Answer: B

NEW QUESTION 37

- (Exam Topic 1)

Which of the following errors CANNOT be found with structure-based testing techniques?

- A. Memory is leaking
- B. Features are only partially implemented
- C. Data structures that are used before initialization
- D. Division by zero

Answer: A

NEW QUESTION 40

- (Exam Topic 1)

Which ONE of the following statements does NOT describe how testing contributes to higher quality?

- A. Performing a review of the requirement specifications before implementing the system can enhance quality
- B. The testing of software demonstrates the absence of defects
- C. Properly designed tests that pass reduce the level of risk in a system
- D. Software testing identifies defects, which can be used to improve development activities.

Answer: B

NEW QUESTION 45

- (Exam Topic 1)

What is the difference between system integration testing and acceptance testing?

- A. System integration testing is testing non-functional requirements Acceptance testing concentrates on the functionality of the system
- B. System integration testing is executed by the developer
- C. Acceptance testing is done by the customer
- D. System integration testing verifies that a system interfaces correctly with other system
- E. Acceptance testing verifies compliance to requirements
- F. System integration testing verifies compliance to requirements Acceptance testing verifies correct interaction with other systems existing in the user's environment

Answer: B

NEW QUESTION 50

- (Exam Topic 2)

When should testers be involved in reviewing a UAT specification? [K1]

- A. At the beginning of the project
- B. As soon as requirements have been approved
- C. As soon as the UAT specification has been drafted
- D. At any time before UAT begins

Answer: C

NEW QUESTION 55

- (Exam Topic 2)

The Cambrian Pullman Express has special ticketing requirements represented by the partial decision table below.
Refer to the exhibit

Conditions	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6
First Class ticket	Y	N	N	N	Y	N
Std Class Flexible ticket	N	Y	N	N	N	Y
Std Class Day Return	N	N	Y	N	N	N
Std Class Super Saver	N	N	N	Y	N	N
Railcard holder	N	N	N	N	Y	Y
Actions						
OK to travel	Y	N	N	N	Y	N
Eligible for upgrade	N	Y	N	N	N	Y
Concessionary fare	N	N	N	N	Y	Y

Carol has a student railcard and is travelling on a Flexible Standard Class ticket. James has a senior railcard and is travelling on a super saver ticket. Which of the options represents the correct actions for these two test cases? [K3]

- A. Carol is eligible to upgrade; James cannot use the service
- B. Carol is OK to travel; James is eligible for an upgrade
- C. Carol and James are both eligible to upgrade
- D. Carol is OK to travel; James cannot use the service

Answer: A

NEW QUESTION 56

- (Exam Topic 2)

What can testing demonstrate?

- A. Testing can demonstrate that there are no defects
- B. Testing can demonstrate that there are defects
- C. Testing can demonstrate that the software is correct
- D. Testing can demonstrate that there are no hidden defects in the software

Answer: B

NEW QUESTION 61

- (Exam Topic 2)

What is static analysis?

- A. The decision between using white or black box test techniques.
- B. Executing software to validate the most common path through the code.
- C. A technique to find defects in software source code and software models, performed without executing code.
- D. It is a testing technique used during system testing.

Answer: C

NEW QUESTION 66

- (Exam Topic 2)

From the following list, which of the following apply to experience-based techniques? [K2]

- A. Test cases are derived from a model of the problem to be solved or the software
- B. Test cases are derived from the knowledge of the testers
- C. The knowledge of testers, developers and users is used to drive testing
- D. The internal structure of the code is used to derive test cases
- E. a and b.
- F. c and d.
- G. a and d.
- H. b and c.

Answer: D

NEW QUESTION 68

- (Exam Topic 2)

Component testing may include:

- A. Sociability testing.
- B. User acceptance testing.
- C. Beta testing.
- D. The use of stubs and drivers.

Answer: D

NEW QUESTION 69

- (Exam Topic 2)

What is decision table testing?

- A. It's a testing design technique based in the internal software structure.
- B. It's a static test design technique.
- C. It's a testing design technique to verify decisions.
- D. It's a testing design technique based in the system requirements.

Answer: D

NEW QUESTION 74

- (Exam Topic 2)

Which of the following statements about use-case testing are most accurate? (i)In a use-case diagram an actor represents a type of user.

(ii)Use-cases are the most common test basis for unit testing.

(iii)A use-case describes interactions between actors.

(iv)An actor is always a human user that interacts with the system. (v)Test cases can be based on use-case scenarios.

(vi) Use-case testing will often identify gaps not found by testing individual components.

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

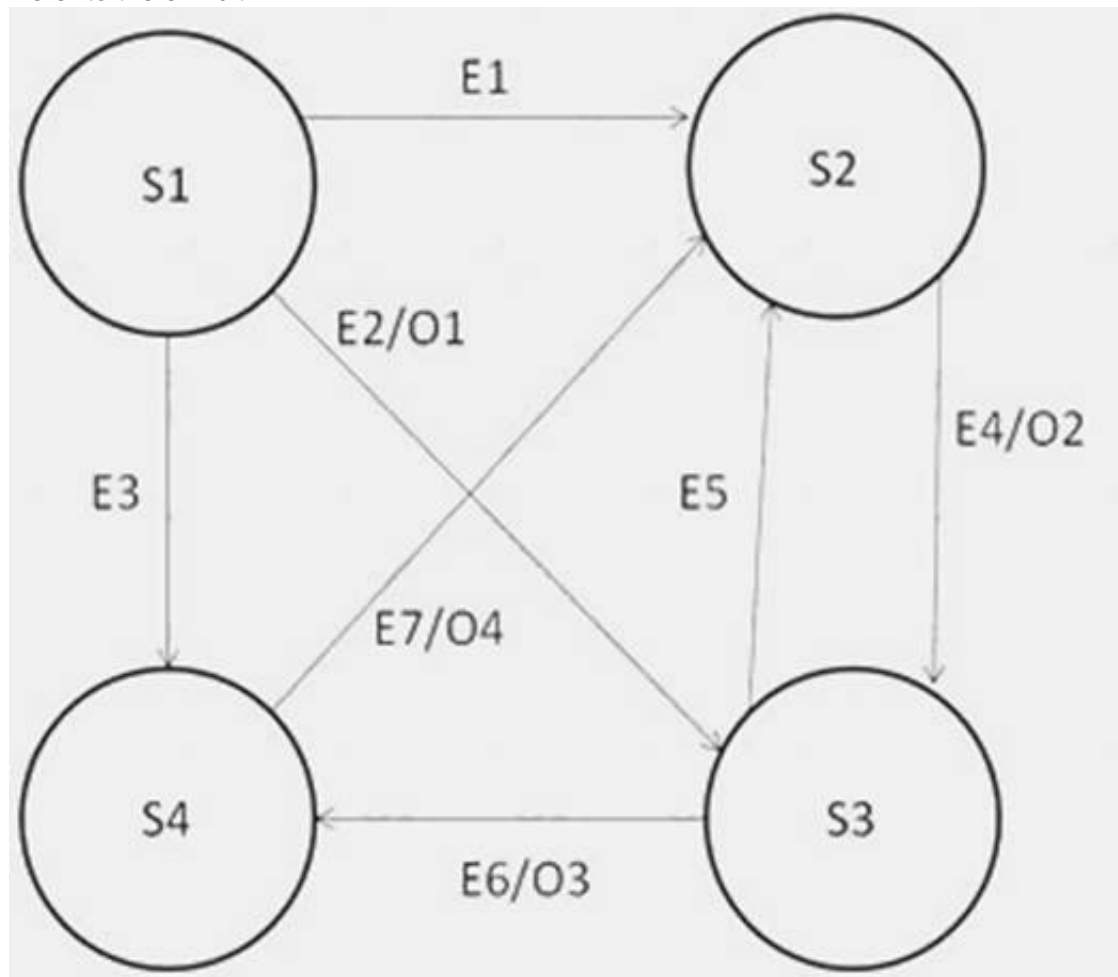
Answer: B

NEW QUESTION 76

- (Exam Topic 2)

A test case starts at S1 and triggers 4 events in sequence: E1, E4, E5, E7. What will be the finishing state and the output(s) from the test case? [K3]

Refer to the exhibit



- A. S2 and O4
- B. S4 and O2
- C. S4 and O4
- D. S2 and O2

Answer: D

NEW QUESTION 80

- (Exam Topic 2)

Which of the following BEST defines static techniques? [K1]

- A. Executing the software work product
- B. Manually examining the code or project documentation
- C. Automated analysis of the code or project documentation
- D. Manual examination and automated analysis of code or project documentation

Answer: D

NEW QUESTION 83

- (Exam Topic 2)

Which of the main activities of the fundamental test process does the task 'verify the test environment set up is correct' relate to? [K1]

- A. Planning and control
- B. Analysis and design
- C. Implementation and execution
- D. Evaluating exit criteria and reporting

Answer: C

NEW QUESTION 85

- (Exam Topic 2)

A client-server system for a web development must support a minimum of 200 enquiries per hour. In peak times, it must be available 24 hours x 7 days due to the critical nature of the application, and must have a response time lower than 20 seconds during peak loads.

Which of the following set of test types would be most appropriate to verify the non-functional requirements expressed in this statement?

- A. Performance, Usability, Regression.
- B. System, Load, Fail-over.
- C. Performance, Load, Stress.
- D. Load, Volume and Component.

Answer: C

NEW QUESTION 87

- (Exam Topic 2)

Which of the following BEST describes the relationship between test planning and test execution? [K2]

- A. Test planning ensures the level of detail in test procedures is appropriate for test execution
- B. Test planning schedules test execution but does not assign resources
- C. Test planning defines the overall approach to testing but does not schedule specific activities such as test execution
- D. Test planning identifies test objectives related to scope and risk but does not define the level of detail for test procedures used in test execution

Answer: A

NEW QUESTION 91

- (Exam Topic 2)

Consider the following pseudo code

1. Begin
2. Read Gender
3. Print "Dear"
4. If Gender = 'female'
5. Print ("Ms")
6. Else
7. Print ("Mr")
8. Endif
9. End

How many test cases are needed to achieve 100 per cent decision coverage?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: B

NEW QUESTION 92

- (Exam Topic 2)

Under which of the following circumstances is maintenance testing required? [K1]

- A. Migration of software onto a new platform
- B. Testing during initial development of a replacement for an existing system
- C. Purchase of a new software tool
- D. Updating of a regression suite

Answer: A

NEW QUESTION 94

- (Exam Topic 2)

Which of the following would NOT be a typical target of testing support tools?

- A. Automate activities that require significant resources when done manually
- B. Automate activities that cannot be executed manually
- C. Automate repetitive tasks
- D. Automating repetitive inspections

Answer: D

NEW QUESTION 97

- (Exam Topic 2)

Which of the following is a valid objective of testing? [K1]

- A. Correcting defects
- B. Locating defects in the code
- C. Preventing defects
- D. Ensuring no defects are present

Answer: C

NEW QUESTION 101

- (Exam Topic 2)

Which statement BEST describes when test planning should be performed? [K1]

- A. Test planning is performed only once, at the beginning of the life cycle, and generates a Master Test Plan
- B. Test planning is performed at the beginning of the life cycle and again at the beginning of test execution
- C. Test planning is performed at the beginning of the life cycle and again at every test level
- D. Test planning is performed continuously in all life cycle processes and activities

Answer: D

NEW QUESTION 104

- (Exam Topic 2)

Which of the following test design techniques is not a black box technique?

- A. Equivalence partitioning
- B. State transition testing
- C. Boundary value analysis
- D. Statement coverage

Answer: D

NEW QUESTION 106

- (Exam Topic 2)

Which of the following factors will MOST affect the testing effort required to test a software product? [K1]

- A. The number of staff available to execute tests
- B. The level of detail in the test plan
- C. The requirements for reliability and security in the product
- D. The test estimation method used

Answer: C

NEW QUESTION 111

- (Exam Topic 2)

Which of the following is a role of a formal review? [K1]

- A. Adjudicator
- B. Moderator
- C. Governor
- D. Corrector

Answer: B

NEW QUESTION 116

- (Exam Topic 2)

Equivalence Partitioning is best defined as:

- A. An analysis technique that divides inputs into groups that are expected to exhibit similar behaviors.
- B. Applying to time-related data classes only.
- C. A form of white-box testing.
- D. A method to reduce test coverage.

Answer: A

NEW QUESTION 121

- (Exam Topic 2)

Testers are often seen as the bearer of unwanted news regarding defects. What are effective ways to improve the communication and relationship between testers and others?

- a) Communicate factual information in a constructive way.
- b) Try to understand how the other person feels and why they react the way they do.
- c) Always outsource testing activities.
- d) Never record information that could be used to apportion blame to an individual or team.

- A. a and b
- B. a, b and c
- C. a, b and d
- D. a and c

Answer: A

NEW QUESTION 126

- (Exam Topic 2)

Consider the following pseudo code:

1. Begin
2. Input X, Y
3. If $X > Y$
4. Print (X, 'is greater than', Y)
5. Else
6. Print (Y, 'is greater than or equal to', X)
7. EndIf
8. End

What is the minimum number of test cases required to guarantee both 100% statement coverage and 100% decision coverage?

- A. Statement coverage = 3, Decision coverage = 3
- B. Statement coverage = 2, Decision coverage = 2
- C. Statement coverage = 1, Decision coverage = 2
- D. Statement coverage = 2, Decision coverage = 1

Answer: B

NEW QUESTION 130

- (Exam Topic 2)

Test script TransVal 3.1 tests transaction validation via screen TRN 003B. According to the specification (PID ver 1.3 10b iv) the validation screen should not accept future dated transactions. Test script TransVal 3.1 passes. Test script eod 1.4 tests end of day processing and is run after the execution of TransVal 3.1 using data entered during that test

Which of the following is the BEST detail on an incident report? [K3]

- A. Titl
- B. End of Day failure.. Reproducibl
- C. Ye
- D. Descriptio
- E. Script eod 1.4 fails when the first transaction of the day is a future dated transactio
- F. Screen shot of the failure attached.
- G. Titl
- H. Transaction input screen validation..Reproducibl
- I. Ye
- J. Descriptio
- K. Script eod 1..4 fails . Screen shot of the failure attache
- L. Validation of transaction entry on screen TRN-003B should not allow future dated transactions – see PID ver 1.3 para 10b iv.
- M. Titl
- N. Screen TRN-003B validation of transaction date.. Reproducibl
- O. N
- P. Descriptio
- Q. When a future dated transaction is processed by the end of day process, a failure can occu
- R. This does not always happe
- S. Screen shot of the failure attached.
- T. Titl
- . Screen TRN-003B validation of transaction dat
- . Reproducibl
- . Ye
- . Descriptio
- . Script eod 1.4 fails when the first transaction of the day is a future dated transactio
- . Screen shot of the failure attache
- . Validation of transaction entry on screen TRN-003B should not allow future dated transactions– see PID ver 1.3 para 10b iv.

Answer: D

NEW QUESTION 132

- (Exam Topic 2)

A bank is developing a new service that will be delivered via the web. The user interactions are defined as a set of use cases and the service is designed to be available continuously 24/7. In view of the challenging characteristics of the service the test manager has decided that the code should be thoroughly tested at component level.

Which of the following test types will be required during the development? [K2]

- A. Functional testing to test security at the system level, load testing at the system level to ensure the system availability is acceptable, regression testing at all levels, structure based testing at the component level only
- B. Functional testing to test the use cases at component level, reliability testing to test availability at the integration level, regression testing at the system testing level only, structure based testing at all levels
- C. Functional testing of the use cases at system level, load testing at component level to ensure availability is acceptable, regression testing at the system and acceptance levels only, and structure based testing at the integration level only
- D. Functional testing to test security at the acceptance level, load testing at the acceptance test level to ensure availability is acceptable, regression testing at the acceptance level only to ensure late changes are made correctly, and structure based testing at the component level

Answer: A

NEW QUESTION 136

- (Exam Topic 2)

Which of the following accurately defines the integration testing test level? [K2]

- A. Test basis includes software and system design, test objects include interfaces, and tests concentrate on the interactions between different parts of a system
- B. Test basis includes component requirements, test objects include database modules, and tests concentrate on the behaviour of the system as a whole.
- C. Test basis includes business processes, test objects include system configuration and configuration data, and tests concentrate on establishing confidence in the system
- D. Test basis includes use cases, test objects include user procedures and tests concentrate on a high level model of system behaviour

Answer: A

NEW QUESTION 140

- (Exam Topic 2)

What content would be in an incident report if that incident report was based on the IEEE 829 Standard for SoftwareTest Documentation?

- (i)Identification of configuration items of the software or system. (ii)Software or system lifecycle process in which the incident was observed. (iii)Description of the anomaly to enable reproduction of the incident. (iv)Number of occurrences of the incident.
(v) Classification of the cause of the incident for metrics and for reporting purposes. Number of correct answers: 1

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

Answer: A

NEW QUESTION 143

- (Exam Topic 2)

A system calculates the amount of customs duty to be paid:

- _ No duty is paid on goods value up to, and including, \$2,000.
- _ The next \$8,000 is taxed at 10%.
- _ The next \$20,000 after that is taxed at 12%.
- _ Any further amount after that is taxed at 17%.

To the nearest \$, which of these groups of numbers fall into three DIFFERENT equivalence classes?

- A. \$20,000 \$20,001 \$30,001
- B. \$2,000 \$2,001 \$10,000
- C. \$2,000 \$8,000 \$20,000
- D. \$1,500 \$2,000 \$10,000

Answer: C

NEW QUESTION 144

- (Exam Topic 2)

Which of the following are 'Exit Criteria?'

- A. Acceptance criteria, completion criteria, pass/fail criteria.
- B. Coverage of code, schedule, estimates of defect density.
- C. The last executable statement within a component.
- D. Cost overruns.

Answer: B

NEW QUESTION 148

- (Exam Topic 2)

An iPhone application identifies and counts all purchases of a particular product from a shopping website. The application incorrectly counts purchase attempts by including both failed attempts, and also those where the purchase was terminated by the user before completion. Testing has identified that the problem was located in the 'purchase identification' module, where the first stage in the purchasing process was counted, rather than a successful confirmed purchase. Which of the following statements correctly identifies what has happened? [K2]

- A. The application failed because of a defect in the purchase identification module caused by a programmer mistake or an error in the specification.
- B. An error by the programmer led to a mistake in the purchase identification module and this caused a defect in the application
- C. A defect in the purchase identification module caused by a mistake in the module specification led to a defect in the overall application
- D. A bug in the purchase identification module caused a fault in the application

Answer: A

NEW QUESTION 149

- (Exam Topic 2)

Refer to the exhibit

The following test cases need to be run, but time is limited, and it is possible that not all will be completed before the end of the test window

#	Description	Priority	Note
a	Re-test defect no 52	Low	Re-test
b	Ability to amend transaction type	High	
c	Re-test defect no 26	High	Re-test
d	Run regression test script	Medium	Regression
e	Print monthly sales figures	Medium	
f	Add special invoice to previous month	Low	
g	Reprint selected previous sales figures	High	Must be run after item e
h	Account administrator able to amend any previous month's sales figures	Low	
i	Print year-to-date figures	Medium	

The first activity is to run any re-tests, followed by the regression test script. Users have supplied their priority order to tests. Which of the following gives an appropriate test execution schedule, taking account of the prioritisation and other constraints? [K3]

- A. b, c, g, d, e, i, a, f, h
- B. a, c, d, b, g, e, i, f, h
- C. c, a, d, b, e, g, i, h, f
- D. d, c, a, e, b, g, i, f, h

Answer: C

NEW QUESTION 151

- (Exam Topic 2)

Test objectives for systems testing of a safety critical system include completion of all outstanding defect correction. Regression testing is required following defect correction at all test levels. Which TWO of the following metrics would be MOST suitable for determining whether the test objective has been met? [K2]

- A. Regression tests run and passed in systems testing
- B. Incidents closed in systems testing
- C. Planned tests run and passed in system testing
- D. Planned tests run and passed at all levels of testing
- E. Incidents raised and closed at all levels of testing
- F. a and e
- G. b and c
- H. d and e
- I. a and b

Answer: A

NEW QUESTION 155

- (Exam Topic 2)

The four test levels defined for a common V-model testing approach are:

- A. Unit, integration, system and maintenance.
- B. Functional, glass box, incremental and maintenance.
- C. Component, integration, system and acceptance.
- D. Unit, component, functional and alpha/beta.

Answer: C

NEW QUESTION 159

- (Exam Topic 2)

Which of the following test design techniques is classified as a structure-based (white box) technique? [K1]

- A. Exploratory testing
- B. Decision table testing
- C. State transition testing
- D. Statement testing

Answer: D

NEW QUESTION 163

- (Exam Topic 2)

When an organization considers the use of testing tools, they should:

- A. Use a tool in order to help define a good test process because the tool will force process repeatability and therefore enforce good test process.
- B. Always start by bringing in automated test execution tools as these tools have the greatest return on investment and therefore should be introduced first.
- C. Perform analysis of the test process and then assess whether it can be supported through the introduction of tool support.

D. Allow the developers to select the testing tools because tools are technical and developers have the appropriate skills to advise on test tool selection and configuration.

Answer: C

NEW QUESTION 166

- (Exam Topic 2)

What is the value of static code analysis?

- A. Detection of failures not easily found by other types of testing
- B. Early defect detection
- C. Detection of suspicious operations caused by deviations from regulations
- D. Detect deviations in standards by executing the source code

Answer: B

NEW QUESTION 168

- (Exam Topic 2)

Before an invoice can be created, an account is required. Before an account can be set up, an account user is required (in order to set up the account). The software is delivered with a master user only, who can only create other types of users. The following test cases have been written to test the high-level structure of the software

- A. Create an invoice
 - B. Amend an invoice
 - C. Process an invoice (send to customer)
 - D. Delete an invoice
 - E. Create an account
 - F. Create an account user
 - G. Amend an account user
 - H. Delete an account user
 - I. Amend an account
 - J. Delete an account
- Which of the following test procedures would enable all tests to be run? [K3]
- K. f, g, a, c, b, d, e, i, j, h
 - L. e, i, a, c, b, d, f, g, h, j
 - M. e, i, f, g, a, c, b, d, h, j
 - N. f, g, e, i, a, b, c, d, j, h

Answer: D

NEW QUESTION 170

- (Exam Topic 3)

Which statement about Static Testing is TRUE?

- A. Static testing can be applied to any work product that participants know how to read and understand.
- B. Static testing must only be applied to final work products that have been signed off.
- C. Static testing must be conducted by users of the product being tested.
- D. Static testing executes the code to verify the functionality is as expected.

Answer: A

NEW QUESTION 172

- (Exam Topic 3)

Which of the following type of defect would NOT be typically found by using a static analysis tool?

- A. A variable is defined but is then not used
- B. A variable is used in a calculation before it is defined
- C. A variable has the wrong numeric value passed into it
- D. A variable is used but not declared

Answer: C

NEW QUESTION 173

- (Exam Topic 3)

During which stage of the fundamental test process is the testability of requirements evaluated?

- A. Test Execution.
- B. Test Planning.
- C. Test Design.
- D. Test Analysis.

Answer: D

NEW QUESTION 175

- (Exam Topic 3)

Tests have been specified for the latest software release and users have prioritised these.

However, there are some dependencies between tests as shown in the table below (e.g. Test ID. '123' cannot be run until Test ID. '456' has been successfully completed).

Test ID.	Description	Prioritisation	Dependency
1	List all users on screen	Low	
2	Regression test of daily processing	Medium	
3	Create an invoice	High	4
4	Change user details	Medium	1
5	Print all outstanding invoices	High	
6	Chase all outstanding invoices	Medium	5
7	Regression test of weekly processing	High	2
8	Amend invoice details	Medium	3
9	Bank reconciliation processing	Medium	3
10	Mark invoice as paid	High	9

Which test execution schedule best meets the prioritisation and dependency conditions?

- A. 3, 5, 7, 10, 2, 4, 6, 8, 9, 1.
- B. 5, 7, 4, 3, 9, 10, 1, 6, 8, 2.
- C. 6, 1, 2, 9, 4, 3, 5, 7, 8, 10.
- D. 1, 4, 3, 5, 2, 7, 9, 10, 6, 8.

Answer: D

NEW QUESTION 177

- (Exam Topic 3)

Which of the following activities do NOT belong to test implementation and execution?

- A. Checking if the preconditions of test execution have been met
- B. Logging of test results
- C. Test data generation
- D. Prioritizing test conditions

Answer: D

NEW QUESTION 178

- (Exam Topic 3)

Integration testing has following characteristics.

- A. It can be done in incremental mannerI
- B. It is always done after system testingII
- C. It includes functional testsIV It includes non-functional tests
- D. I and IV are correct
- E. I III and IV are correct
- F. TI is correct
- G. II and III are correct

Answer: B

NEW QUESTION 182

- (Exam Topic 3)

Which of the following is an example of Static testing?

- A. Calculating path coverage using tools
- B. Performance testing
- C. Requirements review
- D. Usability testing

Answer: A

NEW QUESTION 186

- (Exam Topic 3)

At what stage of the Fundamental Test Process do testers write the steps of the test procedures?

- A. Test implementation and execution
- B. Evaluating exit criteria and reporting
- C. Test closure activities
- D. Test planning and control

Answer: A

NEW QUESTION 189

- (Exam Topic 3) The following condition is given: Integer x, y; IFx>0ANDx< 100

y = y + x; END-IF

Using boundary analysis for x. which test cases are required?

- A. -1,0,1,99,100, 101

- B. -1,0, 100,101
- C. -500,-10,0.1,99.100.101,500
- D. 0, 1.99, 100

Answer: B

NEW QUESTION 193

- (Exam Topic 3)

Which of the following is by definition a reactive test approach?

- A. Risk-based testing
- B. Automation of regression tests
- C. Exploratory testing
- D. Requirements-based testing

Answer: C

NEW QUESTION 197

- (Exam Topic 3)

Load testing tool checks for:

- A. presence of bugs in user interface
- B. the number of testers needed in order to achieve "dead line"
- C. correct functional behavior of the system under test
- D. time response and resource utilization

Answer: D

NEW QUESTION 201

- (Exam Topic 3)

Which of the following test execution outcomes are likely to increase the overall quality of the software:

- I) A test case passes
- II) A test case fails, defect gets logged which subsequently gets fixed
- III) Some tests are deferred because test environment is not available
- IV) A bug is found but there is no corresponding test case

- A. I, II and III
- B. I and IV
- C. I and II
- D. I, II and IV

Answer: C

NEW QUESTION 204

- (Exam Topic 3)

Which test design technique can be used for effectively testing system requirements consisting of logical conditions?

- A. Boundary value analysis
- B. Use case testing
- C. Equivalence partitioning
- D. Decision table testing

Answer: A

NEW QUESTION 205

- (Exam Topic 3)

To which of the following test levels regression testing be applied?

- A. Component TestingI
- B. Integration TestingII
- C. System TestingI
- D. Acceptance Testing
- E. II, III, IV
- F. I, II
- G. I, II, III
- H. I, II, III, IV

Answer: C

NEW QUESTION 209

- (Exam Topic 3)

Why is it important to select a test technique?

- A. Test techniques define the number of regression cycles, which in turn impact the project schedule
- B. Selecting the right test technique in a given situation increases the effectiveness of the test process by creating tests with higher chance of finding bugs.
- C. The only way to test a software application is by using well proven test techniques.
- D. There are usually too many test cases that may be run on a syste

E. Test techniques help reduce the number of tests.

Answer: D

NEW QUESTION 210

- (Exam Topic 3)

A holiday club restricts those booking the holiday, to people between the ages of 18 and 30 inclusive. Using three-point boundary values, what ages would be required to test the lower and upper boundary?

- A. 17, 18, 19, 29, 30, 31.
- B. 17, 18, 19, 30, 31, 32.
- C. 18, 19, 20, 28, 29, 30.
- D. 16, 17, 18, 30, 31, 32.

Answer: A

NEW QUESTION 213

- (Exam Topic 3)

Which of the following statements about estimation of the test effort is WRONG?

- A. Effort estimate can be inaccurate because the quality of the product under tests is not known.
- B. Once the test effort is estimated, resources can be identified and a schedule can be drawn up.
- C. Experience based estimation is one of the estimation techniques.
- D. Effort estimate depends on the budget of the project.

Answer: D

NEW QUESTION 218

- (Exam Topic 3)

Which of the following represents good testing practice for testers, irrespective of the software lifecycle model used?

- A. They should start test analysis when the corresponding development level is complete
- B. They should be involved in reviewing requirements or user stories as soon as drafts are available
- C. They should ensure that the same test objectives apply to each test level
- D. They should minimize the ratio of development levels to test levels to reduce project costs

Answer: D

NEW QUESTION 222

- (Exam Topic 3)

Which of the following statements describes regression testing?

- A. Retesting of a fixed defectII Testing of an already tested programII
- B. Testing of new functionality in a programI
- C. Regression testing applies only to functional testingV Tests that do not have to be repeatable
- D. because they are only used once
- E. II
- F. I
- G. IV, V
- H. I.IV
- I. I, III, IV

Answer: A

NEW QUESTION 225

- (Exam Topic 3)

Your task is to compile a test execution schedule for the current release of software. The system specification states the following logical dependencies:

- An admin user must create/amend/delete a standard user.
- A standard user is necessary to perform all other actions.

The test plan requires that re-tests must be performed first, followed by the highest priority tests. To save time, the test plan states that tests should be scheduled to create test data for the subsequent tests in the schedule.

The following test cases have been designed, with an indication of priority (1 being the highest priority) and whether the test has previously failed.

Id	Description	Priority	Failed
a	Log in as standard user and create customer account	2	Y
b	Order one item	3	N
c	Create invoice for order	1	Y
d	Order two items or more	3	Y
e	Log in as admin user and create a standard user	2	N

Which test execution schedule meets the test plan requirements and logical dependencies?

- A. a, d, c, b, e
- B. a, c, b, d, e
- C. e, a, b, c, d
- D. e, a, d, c, b

Answer: C

NEW QUESTION 229

- (Exam Topic 3)

Which of the following can be a common objective of testing?

- A. Gaining confidence about the level of the system's quality
- B. Fixing defects to improve the system's quality characteristics
- C. Providing information as part of the debugging activity
- D. Making sure the system performs as fast and as efficient as needed

Answer: B

NEW QUESTION 233

- (Exam Topic 3)

When a test case is created based on a Use Case, what type of test is created?

- A. Structural Test
- B. Functional Test
- C. Performance test
- D. Regression Test

Answer: A

NEW QUESTION 234

- (Exam Topic 3)

Which of the following is NOT a valid use of decision coverage?

- A. Checking that all decisions have been exercised in a single program
- B. Checking that all decisions have been exercised in a business process
- C. Checking that all calls from one program module to another have been made correctly
- D. Checking that at least 50% of decisions have been exercised by a test case suite

Answer: D

NEW QUESTION 238

- (Exam Topic 3)

Which type of software development product can undergo static testing?

- A. Any software development product can undergo static testing, including requirements specifications, design specifications and code
- B. Static testing is done only on the requirement
- C. You need to execute the software in order to find defects in the code
- D. Static testing is done only on the code as part of the "code review" sessions Other documents are reviewed, but not by static testing Static tests
- E. should be performed on the installation and user guide documents as these documents are used by the end user

Answer: C

NEW QUESTION 240

- (Exam Topic 3)

Which of the following is a defect that is more likely to be found by a static analysis tool than by other testing techniques?

- A. Omission of a major requirement
- B. Inadequate decision coverage
- C. Component memory leakage
- D. Variables that are not used improperly declared

Answer: D

NEW QUESTION 242

- (Exam Topic 3)

Which one of the following statements about techniques for estimating test effort is correct?

- A. The metrics-based technique finds the most similar former project and uses its original estimate for the current project.
- B. The expert-based approach is based on the experience of the owners of the testing tasks or by subject matter experts.
- C. The metrics-based technique uses metrics supplied by the current test team based on their subjective feel for effort required.
- D. In an expert-based approach, the test lead with the most years in the role is chosen to produce the estimate.

Answer: B

NEW QUESTION 243

- (Exam Topic 3)

What type of testing is important after Migration, retirement or enhancement of an existing system?

- A. Regression testing
- B. Operational acceptance testing
- C. System Testing
- D. Maintenance testing

Answer:

B

NEW QUESTION 244

- (Exam Topic 3)

Can "cost" be regarded as Exit criteria'?

- A. No The financial value of product quality cannot be estimated so it is incorrect to use cost as an exit criteria
- B. Ye
- C. Spending too much money on testing will result in an unprofitable product, and having cost as an exit criteria helps avoid this
- D. Yes Going by cost as an exit criteria constrains the testing project which will help achieve the desired quality level defined for the project
- E. No The cost of testing cannot be measured effectively, so it is incorrect to use cost as an exit criteria

Answer: C

NEW QUESTION 245

- (Exam Topic 3)

What is a typical benefit of use case testing?

- A. Finding failures in the possible states transitions
- B. Clearer identification of system equivalence partitioning
- C. Finding of failures in the business process flows, which highlight system use in the real world
- D. Identification of bugs in the system components.

Answer: C

NEW QUESTION 247

- (Exam Topic 3)

Which of the following are triggers for Maintenance testing?

- a) System migration from one platform to another.
- b) Retirement of a system.
- c) Preparation for an audit of a system.
- d) Modifications to a system.
- e) Development of a whole new system.

- A. a, c and d.
- B. b, c and e.
- C. a, d and e.
- D. a, b and d.

Answer: A

NEW QUESTION 250

- (Exam Topic 3)

Which of the following defects-can NOT be found by static analysis tools?

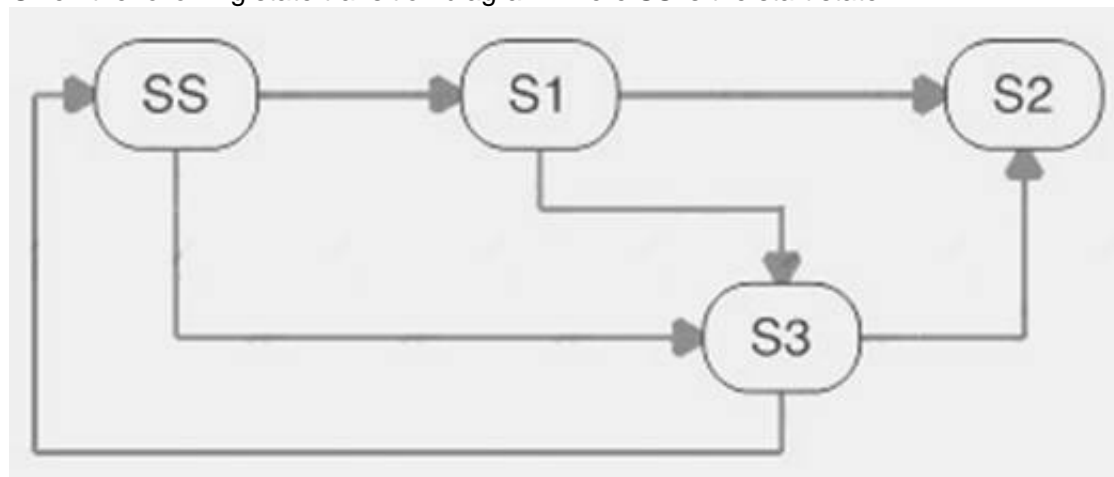
- A. Infinite loops
- B. Wrong business rules
- C. Syntax errors of the code
- D. Undefined variables

Answer: B

NEW QUESTION 251

- (Exam Topic 3)

Given the following state transition diagram where SS is the start state:



Which of the following answers describes a test case that only uses valid transitions to exercise all states, using the minimum number of transitions?

- A. SS-S3-SS-S1-S3-S2.
- B. SS-S3-S2-S1.
- C. SS-S1-S2-S3.
- D. SS-S1-S3-S2.

Answer: D

NEW QUESTION 252

- (Exam Topic 3)

A system requirement states that up to 100 users should be able to carry out a transaction, with responses returned within 5 seconds. What type of non-functional testing would you carry out to verify these requirements?

- A. Stress testing
- B. Maintenance testing
- C. Load testing
- D. Usability testing

Answer: A

NEW QUESTION 256

- (Exam Topic 3)

For the code fragment given below, which answer correctly represents minimum tests required for statement and branch coverage respectively?

```
discountRate=1;
fare = 1000;
If ((person=="senior citizen") and (travelmonth==January))
    bonuspoints=100+bonuspoints
if (class == "first")
    discountRate = .5;
fare = fare*discountRate;
```

- A. Statement Coverage = 2 Branch Coverage = 4
- B. Statement Coverage = 1 Branch Coverage = 3
- C. Statement Coverage = 2 Branch Coverage = 2
- D. Statement Coverage = 1 Branch Coverage = 2

Answer: D

NEW QUESTION 259

- (Exam Topic 3)

A new testing tool has been selected for an organisation and a pilot project has successfully completed. The next step is to deploy the tool within the organization. What is a key success factor in tool deployment?

- A. Estimate a cost-benefit ratio based on a firm business case
- B. Determine whether benefits will be achieved at reasonable cost
- C. Provide support for the test team using the tool
- D. Assessment of organisational maturity, strengths and weaknesses

Answer: A

NEW QUESTION 262

- (Exam Topic 3)

Which of the following BEST describes a methodical approach to the Error Guessing test technique?

- A. A tester dynamically designs and executes tests based on their knowledge, exploration of the test item and the results of previous tests.
- B. An experienced tester makes a list of potential defects and failures, and designs and runs tests to generate these failures should the defects be present in the code.
- C. A tester designs, implements and executes tests to cover test conditions found in checklists that are based on what is important for the user.
- D. An inexperienced tester is asked to attempt to guess errors that may have been missed by experienced testers during formal test design.

Answer: A

NEW QUESTION 263

- (Exam Topic 3)

You are examining a document which gives the precise steps needed in order to execute a test. What is the correct definition of this document?

- A. Test design specification
- B. Test condition
- C. Test procedure specification
- D. Test case specification

Answer: C

NEW QUESTION 264

- (Exam Topic 3)

Consider the following pseudo-code

```
If (Walking && Midnight)
  If (Raining)
    Take umbrella and search light
  Else
    Take searchlight
End IF
Else if (Running && Sunshine)
  IF (Raining)
    Take umbrella
  End IF
Else keep doing what you were doing
End IF
```

How many minimum test cases are required to cover 100% Statement coverage and Decision coverage?

- A. 5 for Statement, 5 for Decision
- B. 4 for Statement, 5 for Decision
- C. 8 for Statement, 6 for Decision
- D. 6 for Statement, 8 for Decision

Answer: C

NEW QUESTION 267

- (Exam Topic 3)

Which of the following is NOT a valid objective of testing?

- A. Preventing defects from being introduced into the code
- B. Investigating and fixing defects in the software under test
- C. Gaining confidence that the system is fit-for-purpose
- D. Providing information for stakeholders' decision making

Answer: D

NEW QUESTION 270

- (Exam Topic 3)

Which of the following BEST describes checklist-based testing?

- A. An approach to testing whereby the testers dynamically design and execute tests based on their knowledge, exploration of the test item and the results of previous tests.
- B. An experience-based test technique whereby the experienced tester uses a high-level list of items to be noted, checked or remembered, or a set of rules or criteria against which a product has to be verified.
- C. A procedure to derive and/or select test cases based on an analysis of the specification, either functional or non-functional, of a component or system without reference to its internal structure.
- D. A test design technique which ensures that test cases are checked for consistency and completeness against an organisation's list of formatting rules and best practices.

Answer: B

NEW QUESTION 275

- (Exam Topic 3)

What is the ideal number of regression test cycles?

- A. As many as time and budget allow
- B. 2
- C. 1
- D. Until the quality requirements are met

Answer: A

NEW QUESTION 277

- (Exam Topic 3)

Which of the following would NOT be a common metric used for monitoring test preparation and execution?

- A. Number of Test cases passed and failed
- B. Percentage of planned test cases designed
- C. Number of test plan review comments
- D. Percentage of tasks complete in test environment preparation

Answer: B

NEW QUESTION 282

- (Exam Topic 3)

Which of the following options describe the causal chain in the correct sequence?

- A. Error, fault, failure
- B. Fault, bug, mistake
- C. Mistake, failure, fault
- D. Failure, bug, error

Answer: A

NEW QUESTION 285

- (Exam Topic 3)

Which of the following is a key characteristic of informal reviews?

- A. Metrics analysis
- B. Kick-off meeting
- C. Individual preparation
- D. Low cost

Answer: B

NEW QUESTION 287

- (Exam Topic 3)

What is a "test harness"?

- A. One of the topics that needs to be covered in the final Test Report.
- B. A general name for test data that is used by the test cases.
- C. A detailed description of a test case to enable its execution by non-expert tester.
- D. A test environment comprised of stubs and drivers needed to execute a test.

Answer: A

NEW QUESTION 288

- (Exam Topic 3)

A Test Manager conducts risk assessment for a project One of the identified risks is: "The sub-contractor may fail to meet his commitment" If this risk materializes, it will lead to delay in completion of testing required for the current cycle.

Which of the following sentences correctly describes the risk?

- A. It is a project risk since successful completion of the project depends on successful and timely completion of the tests
- B. It is a product risk since any risk associated with development timelines is a product risk
- C. It is a product risk since default on part of the sub-contractor may lead to delay in release of the product
- D. It is no longer a risk for the Test Manager since an independent party (the sub-contractor) is now managing it

Answer: D

NEW QUESTION 289

- (Exam Topic 3)

Which of the following are product risks?

- a) Failure prone software delivered.
- b) Software does not perform its intended functions.
- c) Insufficient staff available for testing.
- d) Test environment not ready on time.
- e) Poor data integrity and quality.

- A. b, c and e.
- B. b, d and e.
- C. a, b and e.
- D. b, c and d.

Answer: C

NEW QUESTION 292

- (Exam Topic 3)

A live defect has been found where a code component fails to release memory after it has finished using it. Which of the following tools would have been the MOST effective at detecting this defect prior to live implementation?

- A. Dynamic analysis tool
- B. Monitoring tool
- C. Configuration management tool
- D. Coverage measurement tool

Answer: A

NEW QUESTION 295

- (Exam Topic 3)

One of the exit criteria for a SW project was defined as "80% statement coverage". A test manager submitted the following report:
"We did not measure the statement coverage. However, we ensured 80% branch coverage, therefore the exit criteria was met".
Is the test manager right?

- A. No There is not direct relationship 80% branch coverage does not guarantee 80% statement coverage
- B. Yes
- C. 50% branch coverage guarantees 100% statement coverage
- D. With 80% branch coverage, the exit criteria is easily met.
- E. No
- F. The relation works the other way: 80% statement coverage guarantees 80% branch coverage
- G. Yes Coverage of 80% of the branches in the control flow guarantees 80% statement coverage

Answer: D

NEW QUESTION 296

- (Exam Topic 3)

Which of the following metrics are useful for monitoring the test progress?

- A. The number of features implemented in the code
- B. The number of changes done to the product's requirements
- C. Percentage of work done on the user's manuals
- D. Percentage of work done in test environment preparation

Answer: D

NEW QUESTION 299

- (Exam Topic 3)

Which of the following does NOT represent one of the three triggers for maintenance testing an operational system?

- A. Data migration
- B. System retirement
- C. System modification
- D. Introduction of a test management tool

Answer: D

NEW QUESTION 300

- (Exam Topic 3)

Which activity in the fundamental test process includes test script generation?

- A. Test closure activities
- B. Test analysis and design
- C. Test planning and control
- D. Test implementation and execution

Answer: C

NEW QUESTION 305

- (Exam Topic 3)

What is a defect density?

- A. The percentage of defects identified over the total number of test cases
- B. The deviation rate of the system from its expected behavior
- C. The ratio of the defects identified in these system over the expected number of total defects
- D. The number of defects identified in the system under test divided by the size of the system

Answer: C

NEW QUESTION 308

- (Exam Topic 3)

Which of the following are correct tasks during "Test analysis and design"?

- A. Designing and prioritizing test casesII Identifying any required infrastructure and toolsII
- B. Reviewing the test basisIV Creating test data and preparing test harnesses
- C. Writing automated test scripts
- D. II, III, IV, V
- E. I, III IV
- F. I, I
- G. III
- H. I, II

Answer: C

NEW QUESTION 311

- (Exam Topic 3)

Which of the following sentences is correct?

- A. Functional and Structural tests can be performed at all test levels
- B. Functional tests can be performed at Unit and Integration test levels, while Structural tests can be performed at System test level
- C. Functional and Structural test levels can be performed for all test types
- D. Functional tests can be performed at Integration and System test levels, while Structural tests can be performed at Unit test level

Answer: D

NEW QUESTION 316

- (Exam Topic 3)

In which development life cycle model is regression testing an increasingly important activity as the project progresses?

- A. V-model.
- B. Waterfall.
- C. Scrum.
- D. Progressive.

Answer: C

NEW QUESTION 317

- (Exam Topic 3)

Which of the following statements correctly describes traceability?

- A. The capability of the software product to enable modified software to be tested.
- B. An approach to integration testing where the component at the top of the component hierarchy is tested first.
- C. The degree to which a requirement is stated in terms that permit establishment of test design.
- D. The ability to identify related items in documentation, such as requirements v
- E. software design

Answer: D

NEW QUESTION 320

- (Exam Topic 3)

Which of the following is an approach that can be used for exploratory testing?

- A. Time-boxed test sessions are created, during which a tester uses a test charter containing test objectives to guide the testing.
- B. A tester methodically executes tests from a list of possible failures, based on experience, defect and failure data.
- C. A tester analyses, designs and implements tests based on external rules and standards.
- D. Tests are designed based on the guidance of stakeholders and experts outside the test team.

Answer: D

NEW QUESTION 323

- (Exam Topic 3)

Which of the following statements contradicts the general principles of testing?

- A. If new defects are to be found, we should run the same test set more often
- B. How testing is done, is based on the situation in a particular project.
- C. Testing is better if it starts at the beginning of a project
- D. Most defects are found in a small subset of a system's modules

Answer: A

NEW QUESTION 324

- (Exam Topic 3)

Which of the following statements about test execution effort is true?

- A. An increase in number of testers always reduces testing time.
- B. A large number of test repetitions mean less test execution effort.
- C. The test execution effort is independent of the number of test environments.
- D. The test case execution effort is dependent on the build quality.

Answer: D

NEW QUESTION 325

- (Exam Topic 3)

A program is used to control a manufacturing line (turn machines on and off. start and stop conveyor belts, add raw materials to the flow, etc.)

Not all actions are possible at all times For example, there are certain manufacturing stages that cannot be stopped - unless there is an emergency. A tester attempts to evaluate if all such cases (where a specific action is not allowed) are covered by the tests. Which coverage metric will provide the needed information for this analysis?

- A. Branch Coverage
- B. Statement coverage
- C. Data flow coverage
- D. Code coverage

Answer: B

NEW QUESTION 329

- (Exam Topic 3)

Which of the following is a correct reason to apply test automation?

- A. When a new test automation tool is launched
- B. When there are a lot of repetitive testing tasks
- C. When it is easy to automate
- D. When it is cheap to buy test automation tools

Answer: A

NEW QUESTION 334

- (Exam Topic 3)

Which one of the following statements about testing techniques is TRUE?

- A. Exploratory testing can replace black box techniques when testing time is very limited
- B. Test execution scheduling should give priority to experienced based testing
- C. Specification based techniques can be used as a substitute for a poorly defined test basis
- D. Experienced based techniques are systematic and produce detailed test documentation

Answer: A

NEW QUESTION 335

- (Exam Topic 3)

Which of the following is NOT a typical task for a test leader?

- A. Select the test approach
- B. Coordinate the test strategy
- C. Prepare and acquire test data
- D. Estimate the cost of testing

Answer: D

NEW QUESTION 337

- (Exam Topic 3)

What is integration testing?

- A. Looking for faults in larger components or subsystems
- B. Another term for testing system integrity
- C. Specifying which components to integrate in which order
- D. Testing that the interfaces work correctly

Answer: D

NEW QUESTION 338

- (Exam Topic 3)

Which set of test data (representing ages of human beings in years) given below shows equivalence partitioning to verify if a customer is in its thirties (A person whose age is between thirty and thirty-nine years, inclusive) or not?

- A. 25. 30. 40
- B. 30. 35, 25
- C. 20. 35, 39
- D. 30. 39. 45

Answer: A

NEW QUESTION 342

- (Exam Topic 3)

Which of the following would be LEAST appropriate as part of an incident report covering the observation of a failure during testing?

- A. The expected result for the list friends response time was less than 10 seconds, whereas the average response time obtained was 13 seconds.
- B. The user interface was complicated and confusing and I found it quite difficult to follow the test script.
- C. The updates made as part of the add new member' function did not reflect the expected change as the name was written into the address field.
- D. SQL injection into the username entry field allowed a variety of SQL commands to be executed by the application without the appropriate authority

Answer: A

NEW QUESTION 345

- (Exam Topic 3)

Which defect below is MOST likely to be found by a review during static testing?

- A. Incorrect interface specifications.
- B. Old versions of software in use.

- C. Performance bottlenecks.
- D. Broken links to web addresses.

Answer: A

NEW QUESTION 350

- (Exam Topic 3)

Which of the following statements about independent testing is WRONG?

- A. Independent testing is necessary because developers don't know any testing
- B. A certain degree of independence makes the tester more effective at finding defects
- C. Independent testing is best suited for the system test level
- D. Independent test teams may find other types of defects than developers who are familiar with the system's structure.

Answer: A

NEW QUESTION 355

- (Exam Topic 3)

A company purchased a new system which deals with all financial transactions in the company Which test types call for involvement of an expert from the financial department?

- A. Component testing
- B. Acceptance tests
- C. Maintenance testing
- D. System tests

Answer: D

NEW QUESTION 358

- (Exam Topic 3)

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6
Conditions:						
Car Driver	No	Yes	Yes	Yes	Yes	No
Motorcycle Driver	No	No	No	No	No	Yes
Diesel	N/A	Yes	Yes	No	No	N/A
Petrol	N/A	No	No	Yes	Yes	N/A
Engine < 1600cc	N/A	Yes	No	Yes	No	N/A
Engine >1600cc	N/A	No	Yes	No	Yes	N/A
Actions:						
Can claim expenses	No	Yes	Yes	Yes	Yes	Yes
Expenses claim band A	N/A	Yes	No	No	No	Yes
Expenses claim band B	N/A	No	Yes	No	No	No
Expenses claim band C	N/A	No	No	Yes	No	No
Expenses claim band D	N/A	No	No	No	Yes	No

The decision table above shows a company's fuel expenses structure. Which of the following Test Cases based on the decision table are Valid? Test Case 1:

An employee who is not a car or motorcycle driver attempts to claim fuel expenses. Expected result: Expense claim not allowed.

Test Case 2:

An employee who drives a 1700cc diesel car attempts to claim fuel expenses. Expected result: Expense claim accepted at band C.

Test Case 3:

An employee who rides a motorcycle attempts to claim fuel expenses. Expected result: Expense claim accepted at band A.

- A. Test Cases 1 and 3 are Valid, Test Case 2 is Invalid.
- B. Test Cases 2 and 3 are Valid, Test Case 1 is Invalid
- C. Test Cases 1, 2 and 3 are all Valid.
- D. Test Cases 2 is Valid, Test Cases 1 and 3 are Invalid

Answer: C

NEW QUESTION 360

- (Exam Topic 3)

During the development of a software change for a system, the developer makes a mistake in his work, which leads to a fault in the code. Unfortunately the fault is not found by software testing and is released into live.

What is the definite consequence of this mistake?

- A. The system will fail, causing a defect
- B. If the contained in a small, the system may fail
- C. Loss of money, time, or business reputation
- D. Contractual requirements have not been met by testing

Answer: B

NEW QUESTION 361

- (Exam Topic 3)

Your company is developing a system with complex business rules and many branches in the structure of its code components. You need to choose one black box technique and one white box technique for test case design.

Which one of the following offers the BEST choice?

- A. Statement testing and exploratory testing
- B. Decision testing and equivalence partitioning
- C. Decision testing and decision table testing
- D. Boundary value analysis and decision table testing

Answer: D

NEW QUESTION 364

- (Exam Topic 3)

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6	Rule 7
Conditions							
Full Member	Y	N	N	N	N	N	N
Loyalty Card holder	Don't care	Y	Y	Y	Y	N	N
18 Holes	Don't care	Y	Y	N	N	Y	N
9 Holes	Don't care	N	N	Y	Y	N	Y
Buggy/Cart Request	Don't care	N	Y	N	Y	Don't care	Don't care
Actions							
No charge on Green Fees	Y	N	N	N	N	N	N
£12 Green Fees	N	N	N	Y	Y	N	N
£16 Green Fees	N	N	N	N	N	N	Y
£18 Green Fees	N	Y	Y	N	N	N	N
£22 Green Fees	N	N	N	N	N	Y	N
Buggy/Cart allowed	Y	Y	Y	Y	Y	N	N
Buggy/Cart Free	Y	N	N	N	N	N	N
Buggy/Cart £5	N	N	Y	N	Y	N	N

The decision table above reflects a golf club's pricing structure for green fees and buggy/cart hire. What is the expected result (actions) for each of the following two test cases (TC1 and TC2)?

* TC 1 - Paul is not a full member, is a Loyalty Card holder and requests to play 18 holes with a buggy/cart

* TC 2 - Cheryl is not at full member, doesn't have a Loyalty Card and requests to play 9 holes with a buggy/cart

- A. TC1 - £23 total charges including buggy hire; TC2 - £21 total charge including buggy hire
- B. TC1 - £18 total charges including buggy hire; TC2 - £16 total charge but no buggy allowed
- C. TC1 - £23 total charges including buggy hire; TC2 - £16 total charge but no buggy allowed
- D. TC1 - £17 total charges but no buggy allowed; TC2 - £21 total charge including buggy hire

Answer: D

NEW QUESTION 368

- (Exam Topic 3)

An online form has a "Title" input field The valid values for this field are: Mr, Ms, Mrs. Which of the following is a correct list of the equivalence classes of the input values for this field?

- A. Any one of: Mr, Mrs., Ms; any other input
- B. Mr: Ms; Mrs.: no input; any other input
- C. Any one of: Mr, Mrs., Ms; no input, any other input
- D. Mr; Mrs.; Ms; any other input

Answer: D

NEW QUESTION 373

- (Exam Topic 3)

Which option BEST describes how the level of risk is determined?

- A. The likelihood of an adverse event happening multiplied by the cost of preventing it
- B. The consequences of a potential problem multiplied by the cost of possible legal action
- C. The impact of an adverse event multiplied by the likelihood of that event occurring
- D. The likelihood and the probability of a hazard occurring

Answer: C

NEW QUESTION 377

- (Exam Topic 3)

Which two of the following statements are true?

- A. Software testing can be necessary to fulfill legal or contractual obligations.
- B. Software testing is done to essentially increase the quality of developers.
- C. Intensive testing can help reduce risks and problems during operation
- D. Intensive testing is used to prove correctness.
- E. C and D are true
- F. A and B are wrong.
- G. A and C are true
- H. B and D are wrong
- I. B and D are true
- J. A and C are wrong
- K. B and C are true, A and D are wrong

Answer: D

NEW QUESTION 382

- (Exam Topic 3)

How are statement testing and decision testing techniques similar?

- A. Both are specification-based testing techniques
- B. Both are experience-based testing techniques
- C. Both are structure-based testing techniques
- D. Both are black box test design techniques

Answer: D

NEW QUESTION 383

- (Exam Topic 3)

What is the order in which the specifications for test cases, test conditions and test procedures are developed as a part of the test development process?

- A. Test Procedure --> Test Condition -> Test Case
- B. Test Condition --> Test Case --> Test Procedure
- C. Test Procedure -> Test Case -> Test Condition
- D. Test Condition --> Test Procedure --> Test Case

Answer: A

NEW QUESTION 386

- (Exam Topic 3)

Your agile project has scheduled a final sprint before release to fix and re-test all open defects with a priority level of 3 or above.

The following defect report shows the defect fields that are currently being captured on the system. Title: Unable to add excursions to pre-paid cruises

Date raised: 21/05/18 Author: Emma Rigby Status: Fixed

What occurred: I went to book an excursion for a pre-paid cruise but received an error message saying, 'Facility not available'. I can book excursions on cruises that have not yet been fully paid.

What should have occurred: Requirement 3.12 says clearly that customers can add excursions after cruises have been fully paid so the facility should have been available (when an additional amount may now need to be paid).

Priority: 2

Software build: 2.1 Test level: System test

Environment details: System test 3

Which of ONE of the following additional defect report fields would be MOST beneficial for the sprint team to add?

- A. Severity.
- B. Test Script Id.
- C. Actual results.
- D. Expected results.

Answer: A

NEW QUESTION 387

- (Exam Topic 3)

What is basic idea of structure-based testing techniques?

- A. To allow developers to have their own testing technique.
- B. To do better testing, since the specifications are not needed.
- C. The more details of the source code are executed, the more faults can be found.
- D. To gain time, since structure-based techniques are easier to implement than specification-based techniques.

Answer: C

NEW QUESTION 390

- (Exam Topic 3)

Which of the following is a key difference between black box and white box test design techniques?

- A. Black box techniques use software code to derive test cases, white box techniques do not.
- B. White box techniques use functional design specifications to derive test cases, black box techniques do not.
- C. White box techniques can measure the extent of code coverage, black box techniques can not.
- D. White box techniques derive test cases from models of the software, black box techniques do not.

Answer: C

NEW QUESTION 393

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