

QUESTION 45

A candidate sits an exam with 40 questions. To pass, the candidate must answer at least 25 questions correctly. To gain a distinction, a mark of 32 or above must be achieved. Which of these groups of exam scores would fall into three different equivalence classes?

- A. 32, 36, 40
- B. 0, 27, 36
- C. 0, 24, 32
- D. 25, 32, 40

Correct Answer: B

QUESTION 46

Consider the following state table:

	A	B	C	D
S1	S2/R1	S3/R2	S1/N	S4/R6
S2	S2/N	S2/N	S3/R3	S4/R4
S3	S4/R5	S2/R3	S2/R6	S2/N
S4	S4/N	S4/N	S2/N	S1/R7

Which of the following would result in a change of state to S2 with an action of R6?

- A. From state S1, input A
- B. From state S2, input B
- C. From state S3, input C
- D. From state S4, input D

Correct Answer: C

QUESTION 47

Which of the following are true of software development models?

- a. Component Integration testing is present in all good development models.
- b. Acceptance testing can take place before system testing starts.
- c. Acceptance testing should only start when system testing is complete.
- d. There may be fewer than four test levels in a V-model.

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

Correct Answer: A

QUESTION 48

The above table shows 6 test procedures (P to U) that must now be entered into a test execution schedule. Business severity is regarded as the most important element in determining the

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sequence of the test procedures, but other dependencies must also be taken into consideration. Regression testing can only be run once all other tests have completed. Which of the following represents the MOST effective sequence for the test execution schedule (where the first entry in the sequence is the first procedure to be run, the second entry is the second to be run and so on)?

Test procedure ID	Business Severity (1 = High 2 = Medium 3 = Low)	Dependencies on other test procedures	Other dependencies
P	3	None	Delivery of the code this part of system is running very late
Q	1	None	Regression Testing only
R	1	Requires S to be run first	None
S	2	None	None
T	2	None	Regression Testing only
U	3	None	None

- A. R, Q, S, T, U, P
- B. S, R, P, U, Q, T
- C. Q, R, S, T, P, U
- D. S, R, U, P, Q, T

Correct Answer: D

QUESTION 49

Which of the following statements describe why error guessing is a useful test design technique?

- a. It can help derive test cases based on analysis of specification documents.
 - b. It can identify tests not easily captured by formal techniques.
 - c. It can make good use of tester experience and available defect data.
 - d. It is a cheaper alternative to more formal test design techniques.
- A. a and b
 - B. b and c
 - C. c and d
 - D. a and c

Correct Answer: B

QUESTION 50

Four testers have each submitted an incident report in which each reported a problem with the User log-on process, a critical component of the system. The incident reports do not follow a prescribed template and the data needs to be entered into the project incident management tool. Which tester has reported the incident most effectively to enable capture in the incident management tool, considering the information and priority they have supplied?

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Tester id	Incident details
Tester 1	Title: User log-on validation error Description: Entered User id of J SMITH and password of ABC01 but got an error message Priority:- important
Tester 2	Date: 20/05/10 Title: Log-on does not meet requirement Inputs: User id = J SMITH, password = ABC01 Expected result - Main menu screen to be displayed Actual result: Error saying incorrect password Priority = 1 (high)
Tester 3	Date: 20/05/10 Description: User Log-on Password validation error Inputs: User id = J SMITH, password = ABC01 Expected result - Main menu screen displayed Actual result: Error message EM008 'Invalid password' Attempts to repeat: Consistently successful until code release 1.2 was delivered last night. Problem now occurs with most user inputs so holding up testing (see screen shots) Priority: 1 (High)
Tester 4	Date: 20/05/10 Description: User Log-on Password validation error Inputs: User id = J SMITH, password = ABC01 Expected result - Main menu screen displayed Actual result: Error message EM008 'Invalid password' Attempts to repeat: This test has worked 12 times before. Priority: 2 (medium) - Has stopped me running my other tests.

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

Correct Answer: A

QUESTION 51

Which of the following statements is true?

- A. A test condition specifies input values and expected results; a test case combines one or more test conditions
- B. A test condition may be derived from requirements or specifications; a test procedure specifies the sequence of action for the execution of a test
- C. A test case specifies the sequence of execution of test conditions; a test procedure specifies test pre-conditions and post-conditions
- D. A test case specifies input values and expected results; a test procedure may be derived from requirements or specifications

Correct Answer: B

QUESTION 52

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Which two of the following are common attributes of maintenance testing?

- a. It is carried out to ensure that the system will be reliable once in service.
- b. It includes regression testing.
- c. It requires the use of fully defined specifications.
- d. It can include testing of a system after migration from one platform to another.

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

Correct Answer: D

QUESTION 53

You have designed test cases to provide 100% statement and 100% decision coverage for the following:

```
if width > length then
    biggest_dimension = width
else
    biggest_dimension = length
end_if
```

The following has been added to the bottom of the code fragment above.

```
print "Biggest dimension is" & biggest_dimension.
print "Width: " & width print "Length: " & length.
```

How many MORE test cases are required?

- A. One more test case will be required for 100 % decision coverage
- B. Two more test cases will be required for 100 % statement coverage, one of which will be used to provide 100% decision coverage
- C. None, existing test cases can be used
- D. One more test case will be required for 100% statement coverage

Correct Answer: C

QUESTION 54

Which of the following is MOST likely to be an objective of a pilot project to introduce a test tool?

- A. To assess if the test tool brings benefits at reasonable cost
- B. To ensure that developers will use the test tool
- C. To ensure that the time spent testing and the cost of testing is reduced
- D. To assess if everyone in the organization can be trained prior to roll-out

Correct Answer: A

QUESTION 55

Place the stages of the Fundamental Test Process in the usual order (by time).

- a. Test closure activities.
- b. Analysis and design.
- c. Planning and control.
- d. Implementation and execution.
- e. Evaluating exit criteria and reporting.

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

Correct Answer: A

QUESTION 56

Which of the following statements about functional testing is correct?

- A. Functional test cases are derived from specifications
- B. Functional test cases are derived from an examination of the code
- C. Functional testing ensures error free software
- D. Functional testing should be done before the Inspection process

Correct Answer: A

QUESTION 57

Which of the following defects would NORMALLY be identified by a static analysis tool?

- A. The response time for the search function exceeded the agreed limit
- B. The design specification had many grammatical errors
- C. The component code had variables that were used but had not been declared. The component code had variables that were used but had not been declared
- D. The component was found to be the source of the memory leak

Correct Answer: C

QUESTION 58

Which of the following activities would improve how a tool is deployed within an organization?

- a. Roll out the tool across the organization as quickly as possible to all users.
- b. Conduct periodic lessons learnt reviews with tool users.
- c. Provide technical support to the test team for each type of tool.
- d. If a tool is not being used, withdraw it and look for an alternative.
- e. Make sure processes are improved to reflect a new tool.

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

Correct Answer: D