TEST3

Question 1

Which of the following requirements would be tested by a functional system test?

A The system must be able to perform its functions for an average of 23 hours 50 mins  
per day.  
B The system must perform adequately for up to 30 users.  
C The system must allow a user to amend the address of a customer.  
D The system must allow 12,000 new customers per year.

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Question 2

Considering the following pseudo-code, calculate the MINIMUM number of test cases  
for statement coverage, and the MINIMUM number of test cases for decision

coverage respectively.

READ A  
READ B  
READ C  
IF C>A THEN  
 IF C>B THEN PRINT "C must be smaller than at least one number"  
 ELSE PRINT "Proceed to next stage“

ENDIF  
 ELSE PRINT "B can be smaller than C"  
ENDIF

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

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Question 3

The following statements are used to describe the basis for creating test cases using either  
black or white box techniques:

i information about how the software is constructed.  
ii models of the system, software or components.  
iii analysis of the test basis documentation.  
iv analysis of the internal structure of the components.

Which combination of the statements describes the basis for black box techniques?

A ii and iii.  
B ii and iv.  
C i and iv.  
D i and iii.

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Question 4

Which of following statements is true? Select ALL correct options.  
Regression testing should be performed:

i once a month  
ii when a defect has been fixed  
iii when the test environment has changed  
iv when the software has changed

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

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Question 5

How many eggs can be taken on an empty stomach?

**Remember the terms from the lesson:**

***Regression testing, security testing, performance testing, stress testing, load testing, volume testing, white-box testing, black-box testing, smoke testing, usability testing, functional testing***

**Describe and perform smoke tests for the ListBoxer program**