

ANS 1(a) BLACK BOX TESTING is defined as a technique of testing in which AUT is tested without knowledge of internal paths of the software. it is based entirely on software requirements and specification. only focuses on inputs and outputs of the software system.

some strategies of black box testing are

decision table testing a decision table puts all causes and its effects in a matrix. in each column there is a unique combination

equivalence class testing in this numbers of possible test cases are minimized to a level which maintains reasonable test coverage

boundary value testing it focuses on values at boundaries. it is very useful in reducing the number of test cases . it determines a certain range of values are acceptable by the system.very suitable for the system where an input is within certain range

(b) A significant White box testing method is Code Coverage examination. Code Coverage examination wipes out holes in a Test Case suite. It distinguishes regions of a program that are not practiced by a lot of experiments. When holes are distinguished, you make experiments to check untested pieces of the code, along these lines expanding the nature of the product item

Articulation Coverage:- This system requires each conceivable proclamation in the code to be tried at any rate once during the testing procedure of programming designing.

Branch Coverage - This method checks each conceivable way (if-else and other restrictive circles) of a product application.

Ans 2 BLACK BOX TESTING

it follows a approach of testing a software without any internal structure of program

it is known as data and functional testing

performed by end user developer and tester

it basically based on trial and error method

code access is not required for algorithm testing.

WHITE BOX TESTING

it follows a approach in which internal structure is known to the tester

it is known as structural or code based testing

performed by tester and developers

in this data domain and internal boundaries are tested

code access is required for white box testing