Q1)

Verification is to check whether the product is built right with the established software requirement

Validation is to check whether the product meets the customers’ needs

Q2)

Equivalence partitioning is a way of discovering test cases - all cases in a partition should behave in the same way.

Q3)

In white box testing, the source code is known during the test phases

In black box testing, the source code is unknown during the test phases

Q4)

