8 Security I (MGK)

Briefly explain

(*a*) the function of a *salt value* in a password database [3 marks]

(*b*) *two* examples of covert channels in a file system protocol that is restricted to read-only operations under a mandatory access-control policy [2 marks]

(*c*) *three* types of common software vulnerabilities, with examples [9 marks]

(*d*) *two* problems solved by Cipher Block Chaining [2 marks]

(*e*) under which conditions will user U be able to remove a directory D in Berkeley Unix [4 marks]