Abdul Somi Qosim 22:-1725 CY-D

21)

WPA2 uses AES encryption with a preshored key and it is vulnerable to affline brute force attacks. WPA3 addresses this by implementing simultaneous authentication of equals, bosically replacing P3K with a secure exchange method.

communications are safe WPA3 also limits the number of incorrect

Q2)

WEP nos an early mili securing mechanism and it used RC4 for encryption and a short 24-bit initialization vector. These could be reused and it gave attackers enough information to attack crack the WEP key, the fact that WEP's integrity check was neak didn't help either.

WPA improved this by using TKIP (temporal key integrity protocal) which changed the encryption key for each packet improving overall security.

WPA2 replaced RC4 with AES and it used CCMP for better data integrity cheeks which helped in securing wif.