Ahmad Abdullah 122-1609 Networks | Cyber II Online Tasky

Questian #1

Featore 14	MPAZIAL	WIPA3/	Improvements in WPA?
Encryption Protocol	AES with CCMP		eneryption protocol offering better security
Password guessing resistance	prone to get more ofline distionary attacks	Better at resisting dictionary attacks	Mutual authentication makes brute-force attacks significantly harden
Configuration	Easier to ounfigure but less secure	Slightly more complex to configure boat	Prioritizes Security over ease of setup
Protected Management Frames (PMF)	Optional	Mandarkiny	Mandalory PMF in NPAS Protects bette from de-Auth and disassaciation attack.

Equivalent Privacy (WEP) is the WEPS Wired first security protocol for UIFI-networks as part of JEEE 802.11

weaknesses of EVEPs WEP uses 24-5t Initialization Vector (IV). The short length IV means it is repeated frequently. Attackers can capture enough packets to find duplicate IV. This makes we'p highly vulnerable to IV collision attacks.

. WEP does, not check dota integrity making it less reliable protocol.

· WEP relies on single shared key that is manually configured on each device.

Vulnerabilities of WEP.

- · IV Reuseability Vulnerability
- · Easily cracked Encryption . Replay Attacks.

Improvements in WPAG WPAQ,

- · stronger Encryption with TKIP in WPA and AES in WPAZ
- · Improved key Management in both with with
- . Integrity check with MEC