|  |  |  |
| --- | --- | --- |
|  | **VPN** | **PROXY** |
| 1. | VPN ensures encryption, authentication and integrity protection. | Proxy does not ensure or provide any security. |
| 2. | Protocols used in VPN are PTTP (Point to point tunnelling protocol), L2TP (Layer 2 tunnelling protocol) etc. | Protocols used in Proxy are FTP (File transfer protocol), SMTP (Simple mail transfer protocol) HTTP (Hyper Text Transfer Protocol) etc. |
| 3. | VPN works on firewall. | Proxy works on browsers. |
| 4. | VPN stands for Virtual Private Network. It simulates a private network over public network. | It does not simulate a private network over public network. |
| 5. | VPN does not hide the IP address of client. | Proxy uses the anonymous network ID instead of actual IP address of client (means it hides the IP address of client). |
| 6. | VPN creates tunnel between end users. | But proxy does not create tunnel between end users. |
| 7. | VPN offers high amount of security. | Proxy does not offer any type of security. |

Khisa Jed Munene (2:00pm online class assignment)