1. In your own words, describe the purpose of Demilitarized Zone (DMZ)?

The Demilitarized Zone can be defined as a buffer zone and provides a layer of security for servers, such as the Internet. While allowing clients to connect, the DMZ provides a layer of protection for online systems. For public-facing servers, the DMZ provides a buffer between private and public networks. The DMZ zone also provides a buffer between the Internet and internal networks. The layer of protection that the demilitarized zone provides assist with servers attacked online. Placed in the DMZ zone, web application firewalls, etc...

2. Explain how you would set up a Demilitarized Zone. You have 25 workstations and a server on your site. Explain what additional equipment, if any, you will need and steps in setting up the DMZ:

There are 25 workstations and a server, assuming the server is a 'Database Server'. In order to set up a Demilitarized Zone, additional equipment requested will include the following:

- Two firewalls (The DMZ will be placed between the two firewalls)
- Additional Internet-facing servers, if needed (Mail server, Web server, CA server, etc…)
- The DMZ will create a buffer zone between the Internet and internal networks
- Example:
- Internet —> Firewall —> DMZ —> Firewall —> Server —> Workstations
- Additional Servers, if needed, will be placed between the firewalls.
- Public and Private IPs will be placed on opposite sides of the DMZ.