

# WEEK 4 - PRACTICE QUIZ ANSWERS

## Networking Services

### Practice Quiz : Name Resolution

- 1) What transport layer protocol does DNS normally use ? - **UDP**
- 2) A DNS TTL determines what? **How long a DNS entry is allowed to be cached**
- 3) How many root servers are there - **13**.

### Practice Quiz : Name Resolution in Practice

- 1) An A record contains what - **An IPv4 address**
- 2) Select all that are true
  - a) **One domain name point to one IP**
  - b) **One domain name can point to many IPs**
  - c) **Many domain names can point to the same IP**
- 3) MX stands for - **Mail Exchange**
- 4) A fully qualified domain name can contain how many characters - **255**

### Practice Quiz : Dynamic Host Configuration Protocol

- 1) What are the four things that all computers need configured in order to operate on a modern network? Check all that apply.
  - a) **A subnet mask**
  - b) **An IP address**
  - c) **A default Gateway**
  - d) **A name server**
- 2) When using Fixed Allocation DHCP, what's used to determine a computer's IP? - **A MAC address**
- 3) The process by which a client configured to use DHCP attempts to get network configuration information is known as **DHCP Discovery**.

### Practice Quiz : Network Address Translation

- 1) NAT addresses concerns over the dwindling IPv4 address space by - **allowing computers using non- routable address space to communicate with the internet.**
- 2) What technique allows for inbound traffic through a NAT - **Port forwarding**
- 3) The total number of IPv4 addresses is approximately - **4.2 billion**

### Practice Quiz : VPNs and Proxies

- 1) Two factor authentication is **a method where you need more than a username and a password.**
- 2) VPNs are known as **Tunneling** protocol.
- 3) A proxy is something that **communicates on behalf of something else.**