**Practice Quiz : Verifying Connectivity**

1) The protocol used to communicate network errors is known as _____.
    a) TCP
    **b) ICMP**
    c) UDP
    d) Traceroute
2) The ping utility sends what message type ?
    a) Destination Network Unknown
    b) Destination Network Unreachable
    **c) Echo Request**
    d) Echo Reply
3) On windows, one of the tools you can use to verify connectivity to a specific port is _____.
    a) nc(netcat)
    **b) Test-NetConnection**
    c) Tracert
    d) ping

**Practice Quiz : Digging into DNS**

1) One of Level 3's public DNS servers is _____.
    **a) 4.2.2.3**
    b) 8.8.8.8
    c) 127.0.0.1
    d) 192.168.1.1
2) A DNS resolver tool available on all major desktop operating system is _____.
    a) Tracert
    b) Ping
    c) Host
    **d) nslookup**
3) The organization responsible for DNS at a global level is _____.
    a) RFC
    **b) ICANN**
    c) Google
    d) IANA

**Practice Quiz : Cloud**

1) A piece of software that runs and manages virtual machines is known as a _____.
    **a) Hypervisor**
    b) Cloud storage device
    c) Virtual instance
    d) Cloud computing device
2) Office 365 Outlook is an example of _____.

**a) SaaS**

b) Iaas

c) Paas

d) FttH

3) A hybrid cloud is _____.

a) A combination of virtual hosts and virtual guests

**b) A combination of a public cloud and a private cloud**

c) A combination of a public cloud and hardware virtualization

d) A combination of a private cloud and a mesh network

**Practice Quiz : IPv6**

1) An IPv6 address is how many bits long ?

a) 16

b) 32

c) 64

**d) 128**

2) The very first field in an IPv6 header is the

a) Source address field

b) Traffic class field

**c) Version field**

d) Data payload field

3) The IPv6 header field that indicates how many routers can forward a packet before it's discarded is called the _____.

a) TTL

**b) Hop limit field**

c) Next header field

d) Router forward field