**Quiz 1**

**1. Which of the following are service layers of cloud computing?**

Software as a service, platform as a service, and infrastructure as a service.

**2. What network succeeded ARPANET?**

NSFNET

**3. Which of the following protocols are in the transport layer of the TCP/IP reference model?**

TCP and UDP

**4. Select layer 2 (the bottom layer above bottom) of the OSI reference model.**

Data Link Layer

**5. A root name server supports ... queries.**

Iterative

**6. What is the domain name of the host with the IP address 130.56.60.81?**

surat.anu.edu.au

**7. What is the domain name of an authoritative name server for www.wikimedia.org?**

ns1.wikimedia.org

**8. What is the domain name of an authoritative name server for www.wikimedia.org?**

Access point address

**Quiz 2**

**1. Name one primary function that is provided by a proxy.**

Caching

**2. What is the purpose of a routing table?**

Describe how IP packets are passed from an input line to an output line.

**3. Which function is handled by SIP?**

Session management

**4. Give an example of a wireless technology used for Personal Area Networks.**

Bluetooth

**5. Which device is used to connect computers to each other on the same LAN (e.g., on your home network).**

Switch

**6. When you use a browser to access your mail from your gmail or hotmail account, what is the application layer protocol used for transferring information between your browser and the Web server?**

HTTP

**7. How is state information retained in a HTTP session?**

Cookies

**Quiz 3**

**1. Select technical concerns about P2P (multiple selections possible).**

Address volatility, over-grazing

**2. Select cloud reliability issues that have been reported over the last few years (multiple selections possible).**

Outages, Safeguards

**3. As defined in Roger's slides, which of the following is not a typical social media activity?**

Multicasting

**4. Select key concepts in the conventional security model (multiple selections possible).**

Vulnerability, Threat

**5. Which one of the following is not a category of Malware?**

Frontdoor

**6. In relation to your use of mobile devices, identify all Safeguards you can use to protect the Security of your personal data and your funds (multiple selections possible).**

Malware detection, encryption, access control

**Quiz 4**

**1. In the ACS Code of Ethics, which among the following has the lowest priority?**

The image of the profession and the society

**2. An example of an active attack is:**

Denial of service

**3. Digital signature using RSA provides the following service:**

Authentication

**4. How will a sender sign a message using RSA, when a hash function is used in generating the signature?**

Sign hash with sender's private key

**5. How many keys are used in a symmetric key algorithm?**

1

**6. An example of an asymmetric key algorithm is:**

RSA

**7. In AES, which of the following is a possible key size?**

192 bits

**8. When encrypting a message using RSA, which key is used?**

Receiver’s public key

**9. When decrypting an encrypted message using RSA, which key is used?**

Receiver’s private key

**Quiz 5**

**1. Someone who discovers unprotected access points, but does nothing else is a:**

War-driver

**2. Large businesses that need strong security will use the following 802.11i mode of operation:**

802.1X

**3. In an Extended Service Set (ESS), the group of BSS's are connected to:**

The same network

**4. In CSMA/CA, the receiver of a frame sends an acknowledgement:**

Immediately

**5. Which of the following application layer protocols uses TCP as the primary transport layer protocol?**

HTTP

**6. A router typically operates at which of the following network layers:**

Internet

**7. A full TCP closing handshake (typically) is:**

Four way

**8. If the IP address of a host is given by 150.203.164.35/16, what is the network part of the address?**

150.203

**9. A Bluetooth device can be (select most accurate answer):**

Both a master to one device and a slave to another device at the same time