AIS Learning
B.Sc. Physical Sciences - Computer Sciences

Practice Tutorial
Lesson 02: Computer Networking

1. Definition of Computer Networking:
      a. What is computer networking?
      b. Name two key components of a computer network.

2. Types of Networks:
      a. Distinguish between LAN and WAN.
      b. Provide an example of a PAN.

3. OSI Model:
      a. What is the OSI model?
      b. Name the seven layers of the OSI model.

4. IP Addressing:
      a. Define an IP address.
      b. Differentiate between IPv4 and IPv6.

5. Subnetting:
      a. What is subnetting in networking?
      b. How does subnetting help manage IP addresses?

6. Routing and Switching:
      a. Explain the difference between routing and switching.
      b. What is the function of a router in a network?

7. Protocols:
      a. Define a network protocol.
      b. Name a common protocol used for email communication.

8. Wireless Networking:
      a. What is Wi-Fi?
      b. How does a wireless access point contribute to wireless networking?

9. Firewalls and Security:
   a. Define a firewall.
   b. Explain the importance of network security.

10. DNS (Domain Name System):
    a. What is the purpose of DNS in networking?
    b. How does DNS resolve domain names to IP addresses?

Try those questions by yourself, and submit your answers to us.
We can evaluate it for you!!!!
Happy Learning!!!!

-Evaluation Team AIS Learning