***Networking Fundamentals***

**Tutorial 1**

1) Write down a simple definition which describes the meaning of the term “Computer Network”

2) Give 3 advantages for networking computers

3) What was “Arpanet”?

4) What are 3 classifications of computer networks related to size?

5) Define the term “Bandwidth” as related to computer networks

6) What is the function of a modem in computer networks?

7) What is a NIC as used in computer networks?

8) What is a MAC address and why is this needed for devices on a network

9) Describe the function of a 4 port (ports 1/2/3/4) hub which has a signal arriving at port 1

10) In relation to computer network devices, what is the difference between a hub and a switch?

11) What is the main function of a router in computer networks?

12) What is the function of a firewall in a computer network?

13) Describe the meaning of the term “Access Point” in relation to computer networking

14) What are the 3 basic communication media used in computer networks?