**WORKSHEET 3-1**

TOPIC

3

**NETWORK FUNDAMENTALS**



**TIME TO COMPLETE: 30 MINUTES**

Please show your work, that way I know you’re able to replicate it on the exam.

***MAX MARKS: 23***

1. Describe the following networks: LAN, WAN, VLAN, SAN, VPN, PAN, AND P2P. [7]
2. Outline the importance of standards in the construction of networks. [2]
3. What is the purpose of the OSI Model? [2]
4. Draw a diagram of the OSI Model showing how data flows through the seven layers. [5]
5. Identify the technologies required to provide a VPN. [2]
6. Evaluate the use of a VPN [2]
7. Outline what is meant by a data packet and three pieces of information it must contain aside from the data itself [3]