**Part 1 – Short Answer (48 Marks)**

Please provide full answers to the questions below on the lined paper provided.   
(4 Marks Each Question)

1. List and explain three ways a personal computer can connect to the internet.
2. List and explain two functions of a wifi hub / home router.
3. Sketch a diagram of a typical home network. Label the key devices.
4. Provide an example of an “Internet Protocol Address” and explain what it represents.
5. Provide an example of a “Domain Name” and explain what it represents.
6. Explain how an Internet Protocol Address and a Domain Name are the same and how they are different.
7. Explain the function and location of a Domain Name Server (DNS) in a Wide Area Network.
8. Explain the function and location of (1) gateways, (2) routers, (3) switches in a Wide Area Network.
9. What special computer hardware could be associated with a network server?
10. What special computer software could be associated with a network server?
11. Explain how a typical internet application such as Snapchat makes use of the client-server model. E.g. Where is the client located and what is its function? Where is the server located and what is its function?
12. What is HTTP? How is it different from HTTPS? How is it different from HTML?

**Part 2 – HTML Mark-Up (20 Marks)**

Use your knowledge of HTML to format a letter similar to the example provided below.

1. As a starting point, you should use the contents of the file “Raw Letter.txt” in the   
   “Module A” folder on the class repository.
2. Edit the raw text to add the appropriate HTML tags.
3. Upload your edited and formatted letter text as a html file to your personal repository.
4. Display your changes in a web browser and show the result to your teacher.

