**Task D –** Knowledge

**Please use the Answer Sheet provided to complete Task D.**

1. Describe **three** hardware and **three** software components that enable access to the web.
2. Explain the role of the following protocols:

• TCP/IP including IPv6

• HTTP

• SMTP

1. Explain the role of the following:

• Internet Service Provider

• Web hosting service

• Domain name registrar.

1. Identify and briefly describe **four** types of web functionality.
2. Explain the use of **two** different Mark-Up languages.
3. Explain the use and functionality of:

• Web runtime environments

• Web application programming languages

• Databases including SQL

• PHP.

1. Identify **one** typical stack combination that can be used for web development.