1. a. Produce a diagram to show the structure of the Local Area Network that you have at your school or a LAN that is used by a local organisation. [4]

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| WAN versus LAN: What&#39;s LAN got to do with it? |

1. Using THREE examples explain what is meant by a Wide Area Network (WAN). [5]

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| 1. **Domain Controller** 2. **File System** 3. **Server**   **Which allows you to access files from multiple branches and allows you to also login In at any Organisation branch if you work there and allows you to communicate with** |

2. Describe in detail THREE factors that affect the performance of a network. [3]

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| 1. One factor that can affect the performance of a Network would be the Server going down in the WAN or LAN this causes the Computers connected to the Network shut down and If your login is not cached on the PC you will be unable to login into your windows PC due to the domain controller being down and the DataCenter being down as well  3. |

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