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**DCAN202 Week 4 Tutorial – Data Communication and Networking**

**Answer the following questions:**

# **Q-1**

# What is the difference between half duplex and full duplex communications? List two examples each of simplex, half duplex, and full duplex connections.

**Q-2**

If I have a device that has a Universal Serial Bus 3.0 interface, but my computer only has a Universal Serial Bus 2.0 connector, is my device going to work? Explain.

**Q-3**

Learn about the Fundamental components of small business IT network from the video below:

<https://www.youtube.com/watch?v=yhUfRxLyL_M>

Now draw the network diagram below using any diagramming tools like “draw.io”, Lucid chart, “visual-paradigm.com” or any other software you prefer.

Diagram

Description automatically generated

*[Source: https://creately.com/diagram/example/g6m2xm6j1/Office+Network+Diagram+Template]*

You can learn how to draw a network diagram from the video below:

<https://www.youtube.com/watch?v=XbrOIGbYHHw&t=3s>

Attach your work with this document and submit to your Moodle link.