Name: Class:

Task 1

When drawing system diagrams, it is useful to start by identifying all the devices, servers or hardware required by a scenario. Then connections types and further annotation can be added.

(a) List **10** different devices that might be added to a system diagram.

(b) List **five** different types of server or network hardware that may be added to a
system diagram.

(c) List **five** different types of connection type or specification.

Task 2

A small office has three employees who each work on desktop computers. The manager has a laptop which they use to securely connect to the office when they are away.

All employees need access to the Internet to check news updates and send email. The office computers also have access to an internal file server and printer.

(a) Draw a diagram to show the system.

(b) Include annotation to show connection types.

Task 3

A taxi company makes use of technology to link drivers to customers. Customers who want to use the service load a free app on their Smartphone.

When a customer wants a taxi, the app sends the request to the company’s web server.
The request details are then sent to the driver.

The web server will also send the card payment information to the card processor which will confirm the details.

(a) Draw a diagram to show the system.

(b) Include annotation to show connection types and data that is transferred.