**DV125\_2\_PAS On Laptop Hardware**

**Self-Assessment Sheet**

1. **What does it mean to be modular?**

Ans: - Modular means any system part such as memory, disk, battery that can be replaced easily that is called as modular.

1. **What type of battery technology do we use today?**

Ans: - Lithium-Ion, Lithium-LiPo

1. **What happens each time you charge a battery?**

Ans: - It lost lifecycle or decrease capacity.

1. **What is one advantage to using a modular battery configuration?**

Ans: - Easy to configure without opening laptop.

1. **True or False? lithium-ion batteries are designed to be 80 percent charged.**

Ans: -False

1. **True or False? In lithium-ion batteries, discharging some of the battery and charging it back up again you have to worry about causing a effect on memory or limiting the amount of capacity that battery might have.**

Ans: -False

1. **Where are all the programs that are executing in your operating system executing?**

Ans: - Windows [ C:\Programs Files ], Linux [ /usr, /bin, /sbin ]or Memory

1. **What does SO-DIMM stand for?**

Ans: -Small Outline Dual In-Line Memory Module

1. **Where is SO-DIMM usually used?**

Ans: - Laptops, Mobile Devices

1. **Are you able to change/upgrade memory for a device that has it soldered to the motherboard?**

Ans: -No

1. **In what form do older laptops have storage in?**

Ans : -Magnetic disk or HDD

1. **In what form do new laptops have storage?**

Ans: -SATA, M.2 SSD

1. **What is one advantage of SSD?**

Ans: - Read-Write is faster so processing is fast compared to HDD.

1. **What is one way you can migrate from a hard drive to an SSD**

Ans: - Using sata cable and converter, installing OS in ssd and moving all documents and data into it. or clone(Imaged) of hard drive

1. **What are some types of authentications?**

Ans: - single sign on, MFA, 2FA, Passkeys, security codes, backup codes, Biometrics, Third Party Authenticator APP (Microsoft Authenticator)

1. **What is one disadvantage of laptop keyboard?**

Ans : - It’s very small size so we might missing some of functions keys, Removal or replacement of Key Cap

1. **What is NFC?**

Ans: - Near Field Communication.

1. **What does NFC allow you to do?**

Ans: -Transfering data in short distances such as 4cm or less, it provides authentication of devices without touching devices.

1. **Is m.2 a modular setup?**

Ans: - Yes

1. **M.2 interface on an SSD drive is larger than traditional SATA-connected SSD? True or False?**

Ans : - False