**DV162\_3\_PAS On Laptop Displays**

**Possible Answer Sheet**

1. **What does LCD stand for?**

Ans: Liquid Crystal Display

1. **What is a disadvantage in LCD?**

Ans: Getting a true black can be quite difficult on an LCD display

1. **What are three different technologies of liquid crystal displays?**

Ans: TN(Twisted Nematic), IPS (In Plane Switching), VA (Vertical Alignment)

1. **If you’re looking for the best possible color representation on an LCD display, you’ll want to use?**

Ans: IPS LCD

1. **If you’re looking for the best possible response you’ll want to?**

Ans: TN (Twisted Nematic) LCD

1. **If you’re a gamer or using some application that has fast moving graphics, what type of LCD should you use?**

Ans: TN (Twisted Nematic) LCD

1. **What LCD gives you very good color representation, which is great for using graphics or doing some type of desktop publishing?**

Ans: IPS(In Plane Switching) LCD

1. **What does TN LCD stand for?**

 Ans: Twisted Nematic Liquid Crystal Display

1. **What does IPS LCD stand for?**

Ans: In Plane Switching Liquid Crystal Display

1. **What does VA display stand for?**

Ans: Vertical Alignment

1. **What is the newest from of display?**

Ans: OLED (Organic Light Emitting Diode )

1. **What does OLED stand for?**

Ans: Organic Light Emitting Diode

1. **OLED has a backlight. True or False?**

Ans: False

1. **In older laptops, you may find that the backlight that it’s using is.**

Ans: The backlight that it’s using is a CCFL (Cold Cathode Fluorescent Lamp) backlight.

1. **Newer LCD displays might use what type of lights instead of using a fluorescent lamp?**

Ans: Newer LCD displays often use LED backlighting.

1. **What component in your device may only allow for stylus input, or it might also provide input using a touch screen?**

Ans: A digitizer in our device may only allow for stylus input

1. **What type of display does not have liquid crystals?**

Ans: OLED

1. **Why are OLEDs so thin?**

Ans: The organic material in OLED that’s able to create its own light when you provide it with power. And that’s what allows these displays to be very light and very thin.

1. **In OLED displays, you need glass on the front screen to protect it? True or False?**

Ans: False

1. **How does OLED work?**

Ans: OLED displays are emissive, meaning each pixel generates its own light.

(Displays work based on the principle of electroluminescence exhibited by organic materials)