**CompTIA A+**

To watch the below video, you need to right click on the Hyperlink just below the highlighted task in red color and select the Open Hyperlink option. It will take you to the YouTube where you can watch the concerned video.

You are required to watch the video and answer the Questions asked below.

You need to type answers in the row indicated with “Ans.”

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| **Display devices**  <https://drive.google.com/file/d/144CTymaVFyj9uZtWFg2deY70wZWhIIkX/view?usp=sharing> | |
| 1 | What is the thing user care about the computer |
| Ans. | Efficiently , space , protection , speed |
| 2 | What are the types of monitor? |
| Ans. | fact, there are many different types of computer monitors and each one has its own set of strengths and weaknesses. From the old CRT (Cathode Ray Tube), Plasma, OLED (Organic light-emitting diode) and to LCDs (Liquid Crystal Display) and LEDs (Light- |
| 3 | LCD stands for? |
| Ans. | Liquid crystal display |
| 4 | What do you mean by LCD? |
| Ans. | A liquid-crystal display (LCD) is a flat-panel display or other electronically modulated optical device that uses the light-modulating properties of liquid crystals combined with polarizers. Liquid crystals do not emit light directly but instead use a backlight or reflector to produce images in color or |
| 5 | What are the different types of technology we used in LCD? |
| Ans. | LED, IPS , OLED, TN, LCD, |
| 6 | What are passive LCDs? |
| Ans. | Whereas a passive matrix display uses a simple conductive grid to apply a voltage to the liquid crystals in the target area, an active-matrix display uses a grid of transistors and capacitors with the ability to hold a charge for a limited period of time. |
| 7 | What are active LCDs? |
| Ans. | An active-matrix liquid-crystal display (AMLCD) is a type of flat-panel display used in high-resolution TVs, computer monitors, notebook computers, tablet computers and smartphones with an LCD screen, due to low weight, very good image quality, wide color gamut and fast |
| 8 | What is twisted nematic LCD? |
| Ans. | A type of LCD panel technology. In this type of panel, when no electric current is running through the liquid crystal cells, the cells naturally align in a twisted form between two substrate panes of glass which blocks the transmission of light from the backlight. |
| 9 | IPS stands for? |
| Ans. | An intrusion prevention system (IPS) is a network security tool (which can be a hardware device or software) that continuously monitors a network for malicious activity and takes action to prevent it, including reporting, blocking, or dropping it, when it does occur. |
| 10 | What do you mean by IPS LCD? |
| Ans. | IPS (In-Plane Switching) is an electronic screen display technology used in LCDs (liquid crystal displays). IPS changes the behavior of an LCD's liquid crystals to produce a sharper, more accurate picture. |
| 11 | Is LCD liquid crystal produce backlight? |
| Ans. | LCDs use a backlight and liquid crystals to control the light, while OLED displays use organic compounds that emit light when an electric current is applied. OLED displays can achieve deeper blacks and offer better contrast ratios, but they can be more expensive and may suffer from screen burn-in. |
| 12 | What are the types of backlighting technology LCD use? |
| Ans. | The light sources for LCD backlights include CCFL, EEFL, FFL, LED, hot cathode fluorescent lamp (HCFL), organic light emitting diode (OLED), and electroluminescent (EL) devices. |
| 13 | What do you mean by LED? |
| Ans. | light-emitting diode  A light-emitting diode (LED) is a semiconductor device that emits light when an electric current flows through it. When current passes through an LED, the electrons recombine with holes emitting light in the process. |
| 14 | OLED stands for? |
| Ans. | Organic Light-Emitting Diode  The acronym 'OLED' stands for Organic Light-Emitting Diode - a technology that uses LEDs in which the light is produced by organic molecules. |
| 15 | What do you mean by OLED? |
| Ans. | organic light-emitting diode  OLED stands for organic light-emitting diode and is one of the newer technologies available for TVs and other digital displays. OLED is what technology professionals call an “emissive” technology because it uses millions of pixels that emit their own light rather than relying on a separate backlight. |
| 16 | What do you mean by PLASMA screen monitor? |
| Ans. | A plasma display panel (PDP) is a type of flat panel display that uses small cells containing plasma: ionized gas that responds to electric fields. Plasma televisions were the first large (over 32 inches diagonal) flat panel displays to be released to the public. |
| 17 | What is refresh rate? |
| Ans. | Refresh rate is the number of times per second that a monitor updates its image. It is a property of the monitor and is measured in Hertz (Hz). A higher refresh rate means that the display updates more frequently, resulting in smoother motion and less motion blur |
| 18 | What is frame rate? |
| Ans. | Frame rate is typically the frequency at which consecutive images are captured or displayed. |
| 19 | What is aspect ratio? |
| Ans. | An aspect ratio is a proportional relationship between an image's width and height. Essentially, it describes an image's shape. Aspect ratios are written as a formula of width to height, like this: 3:2. For example, a square image has an aspect ratio of 1:1, since the height and width are th |
| 20 | What is anti-glare shield? |
| Ans. | Anti-glare screens work by incorporating a coating or a film on the surface of the screen that disperses light, preventing it from reflecting |