**REVISION QUESTIONS**

**Output Devices**

1. **Differentiate between soft copy and hard copy.**
* *Soft copy refers to intangible output that can be seen or heard; such as screen display and sound. (can be listened to or be viewed) while hard copy refers to tangible output that can be felt such as a paper.*
1. **What is the difference between a CRT monitor and a flat –panel display.**

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| ***Cathode Ray Tube(CRT)*** | ***Flat Panel Display*** |
| *It is bell shaped**Has poor resolution**Heavier; hence less portable**Occupies more space**Cheaper**Produces high amount of radiation**Consumes more power* | *Its screen is flat shaped**Has a high resolution**Light, hence more portable**Occupies less space**Expensive**Produces a low amount of radiation**Consumes less power* |

1. **Give three examples of flat-panel monitors available in the market today.**
* *Liquid Crystal Display(LCD)*
* *Gas Plasma Display(GPD)*
* *Thin-Film-Transistors(TFTs)*
* *Field Emission Displays(FESs)*
1. **Name four criterial used when selecting a printer.**
* *Print quality*
* *Initial cost*
* *Running cost*
* *Speed*
* *Color printing*
1. **Distinguish between impact and non-impact printers and give two examples of each.**

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| **Impact printers** | **Non-Impact printers** |
| 1. Speed of printing is low
2. Use inked ribbons, which may be black or colored
3. Multiple copy production is possible when carbonated paper is used
4. Cheaper to buy and maintain. The ribbons are not expensive.
5. Noisy printers hence cannot be used in quiet places like hospitals
 | 1. Speed of printing is high
2. Use electrostatic or thermal principles or toners
3. Multiple copies are almost impossible.
4. Costly to purchase and maintain. The toners and cartilages are expensive.
5. Quite printers. Appropriate to use in a quiet environment, for example in hospitals
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1. **State one advantage and one disadvantage of laser and inkjet printers respectively.**

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| Advantages | Disadvantages |
| * High quality printouts are produced with option of using colors
* Relatively cheap
* Relatively faster
 | * Not very reliable, especially when quality of paper used is compromised.
* Have smaller cartilages, hence cannot produce many copies.
* Relatively slow
* High maintenance cost as ink cartilages are expensive to purchase.
* If printout is used before it fully dries up, some information may end up being deleted or distorted due to formation of ink smudges.
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1. **Give two examples of sound output devices.**
* Sound card
* Speakers or headphones
* Audio playing program e.g. windows media player, iTunes,iDVD or power DVD player
* A video Graphics Array(VGA) monitor
* A CD/DVD drive
1. **Karuru Road Construction Company (KRCC), intends to buy an output device they can use to produce road maps. Which device would one advice the company to buy and why.**

***Plotters***

*Plotters are specialized output devices designed to produce high quality graphics in a variety of colors. Mostly used for printing geographical, architectural and engineering drawings e.g. maps, advertisement posters.*