Virtual Reality

- Stereopsis : Stereopsis is from the Greek word for "solid sight", and thus refers to perception of three-dimensional shape from any source of depth information.

➢ Personal usage

➢ Usage may be disturbing

➢ Narrow viewing angle (like a tunnel)

➢ Maximum resolution:1280x1024

➢ Tracking is possible

➢ Display types:

- CRT, LCD, OLED, LCOS, FLCOS

AUDIO OUTPUT DEVICE

The term "Audio Output Device" refers to any device that attaches to a computer for the purpose of playing sound, such as music or speech. The term can also refer to a computer sound card.

Types Of Audio Output Device:-

1. Speakers

2. 2. HeadPhones

3. 3. Sound Card

PROJECTOR

Projector was invented by Charles Francis Jenkins.

⬚ A projector or image projector is an optical device that projects an image (or moving images) onto a surface, commonly a projection screen.

CAD Standards

- CAD Standards are a set of guidelines for the way Computer-aided design (CAD) drawings should appear, to improve productivity and interchange of CAD documents between different offices and CAD programs, especially in architecture and engineering

Need for graphic standards

- Need for portability of the geometric model among different hardware platforms.

- Exchange drawing database among software packages.

- Need for exchanging graphic data between different computer system.

- Need for the requirement of graphic data exchange formats and their details such as IGES ,DXF,STEP.

Questions

1. What is the structure of a computing system?
2. What do you understand by the CPU?
3. List the advantages of computer aided design.
4. Bring out clearly the difficulties a design engineer has to face at each of the Design stages if they are carried out manually.
5. What is meant by homogeneous coordinate?
6. Difference between sequential and concurrent engineering?
7. Write briefly on the secondary storage devices used in CAD System.
8. What are the functions of an interactive graphic design workstation?