CA-Network

-7 Assignment 1: Draw your Home network topology of oxplain cit.

[Internet]

[ISP Router]

[Wi-fi devices] [ethernet devices]

[lanton] [phone] [smart TV] [Deskton/PC]

[TOT Devices]

- 1. ISP & modern /Router: The internet service provides your internet connection through a modern.
- 2. Router The nouter connects all devices in the home network.
- 3. Wifi connected devices Devices like laptops, smartphones, smart TV's, & IOT devices connect wirelessly.
- 4. Athernet connected devices Devices like desktop PCs or gaming consoles may use a aired athernet connection for faster & more stable performance.
- 5. It devices These includes smart home devices like smart speakers, cameras & lights.

Assignment 2:-

Real world application: Online Multiplayer Gaming 7 parallel compution

. In online gaming games (like PUBG, (OD) parallel computing is used on the server side to process thousands of simultaneous game actions

· GPV on clients also use parallel computing to render complet graphics quickly.

-7 Networked system

· The game runs over the internet, requiring real-time dats exchange b/w player devices

· Networked systems ensure low latency, data syncronization de multiplayer interactions.

7 why it's important

· parallel computing ensures fast & smooth gameslay.

· Networked systems make global multiplayer possible & provide real time collaboration.