CA-NETWORK

Name-Tauheed Khan Reg No: 2141011029

(a) Identify a real world application for both parallel computing and networked system Explain how these technologies are used and why these are important in that contat:

Real-world application for parallel computing

- * smartphone: Smartphones orely on parallel processing to accomplish their tasks faster and more efficiently
- * Laptop Computors: Today's most power full laptops.

 Macbooks, Chrome Books and Think Pads use Chips with

 multiple processing cores a foundation of parallesm
- * IOT -> The Internet of things (IOT) nelies on data
 that is collected from sensors which are connected to
 the internet. Once that data has been collected parallel
 computing is negwired to analyze it for insights and
 help complex system such as power plants dams and traffic
 system sunction
- 4) Super Computors It rely so heavily on parallel Computer Computing that are often Called parallel Computer

Real-world application of networked system

- Email and Instant Messaging Network are the foundation for Sending and receiving email and instant messaging
- Video Conferencing: Facilities real-time video and audio Communication for meeting and Collaboration.
- 4) File Shorting: Allows user to share document, presentations and other files with other over the network.
- on the internet through web browers.
- A) Network Monitoring: Monitoring networking troffic and device heath to detect potential Security threats and performance issues.
- A) Health Care: Networked Systems are Courcial for Patient monitoring, medical device connectivity, and Secure. data storage is hospitals and health care jacilies.



1. Marining port of the