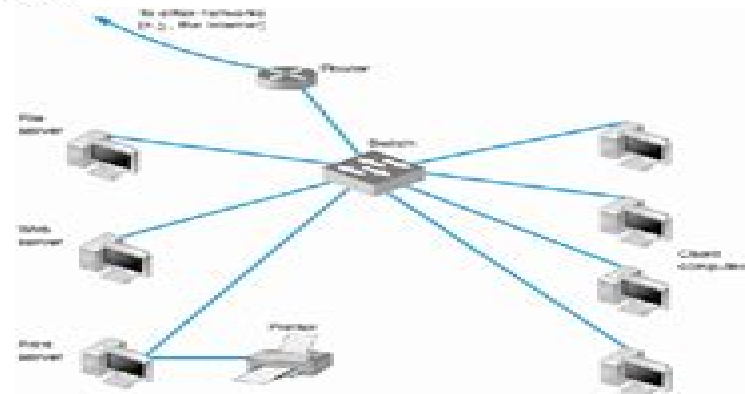


I. Data Communication Networks

- a. Data Communications: movement of computer information from one point to another via electrical or optical transmission systems, ex: data communication networks
- b. Telecommunications: Includes transmission of voice, video, data over long distances
- c. Components of a Networks – 3 hardware components:
 - i. Server (host computer) – stores data, software that can be accessed by clients. Several can work together over network w/ client computer to support business application
 1. Typically microcomputers, can be minicomputers or mainframes
 2. Not technically necessary on all networks, ie: peer-to-peer networks
 - ii. Client – input-output hardware device at user's end of a communication circuit, provides users with access to network and software on the server
 - iii. Circuit – pathway that messages travel. Typically copper wire, fiber-optic and wireless are becoming common
 - iv. LAN Network:



- 1.
2. Clients: 4 microcomputers
3. Circuit: hub and cables
4. Router – connects two or more networks
5. File Server: stores data, software
6. Print Server: manages printing requests from clients
7. Web Server: stores documents, graphics that can be accessed from a web browser, can respond from requests from networks on any computer on internet

d. Types of Networks

- i. Local Area Network (LAN) – group of microcomputers located in same general area
 1. Covers clearly defined, small area, ie: one floor, single building etc
 2. Use shared circuits, computers take turns to use
 3. Support high-speed data transmission, 100Mbps
 4. Most connected to a backbone network (BN)
 5. Intranet: LAN private to those w/o access – used in organizations

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turning a neutron into a pro- ton to emit a beta particle (an electron) from the nucleus. This process is known as beta emission. It ... 60 s - 1 min SECTION 25.2 NUCLEAR TRANSFORMATIONS. 1. Write a nuclear equation for the following radioactive processes. a. alpha decay of francium-208 $^{208}_{87}\text{Fr} \rightarrow \text{b} \dots$ Water Reuse: Issues, Technologies, and Applications In-depth coverage of the theory and application of water reuse. Written by a team of world-renowned experts commissioned by Metcalf & Eddy, Water Reuse ... Water Reuse: Issues, Technologies, and Applications This landmark textbook presents an integrated approach to all aspects of water reuse _ from public health protection to water quality criteria and regulations ... Water Reuse: Issues, Technologies, and Applications ... This landmark textbook presents an integrated approach to all aspects of water reuse _ from public health protection to water quality criteria and regulations ... Water Reuse : Issues, Technologies, and Applications This landmark textbook presents an integrated approach to all aspects of water reuse _ from public health protection to water quality criteria and regulations ... Water reuse: issues, technologies and applications Jul 5, 2016 — Water reuse: issues, technologies and applications ; unepmap.descriptors, Water reuse, Irrigation, Sewage, Wastewater treatment ; unepmap. (PDF) Water Reuse Issues, Technologies, and Applications The contribution of water reuse (WR) would be great in the humankind's water tomorrow. This review aims to discuss the growing WR technology as a future ... Water Reuse: Issues, Technologies, and Applications Water Reuse: Issues, Technologies, and Applications equips water/wastewater students, engineers, scientists, and professionals with a definitive account of the ... Water Reuse: Issues, Technologies, and Applications This book equips water/wastewater students, engineers, scientists, and professionals with a definitive account of water reclamation, recycling, and reuse ... (PDF) Water Reuse: Issues, Technologies, and Applications May 30, 2016 — Current Situation and Prospect of Reclaimed Water Reuse ... The paper summarized current situation and treatment technology of the reclaimed water ... Water Reuse: Issues, Technologies, and Applications Water Reuse: Issues, Technologies, and Applications is a landmark textbook that presents an integrated approach to all aspects of water reuse.