**Assignment 1**

1.Why is it important to isolate ERP systems from direct control of field devices?   
  
2. Why Industrial Ethernet is most popular?  
  
3. What is the main difference between LAN and WLAN?   
  
4.What is the main difference between HDX and FDX?   
  
5.Why are fiber optics safer than copper cables?   
  
6.Why is implicit messaging faster?   
  
7. What is the risk in Daisy Chain topology?  
  
8.Compare between Star and Bus topology?   
  
9.If the IP address is 199.1.2.3 (Class B), what are the Net ID and Host ID?  
  
10.why start address in Class C is 192.0.0.0 and end address is 223.255.255.255?