- Q1. Write about IEEE 802.11 architecture.
- Q2. Hards off Strategy.
- AI). IEEE 802.11 standard specties the most famous family of WLANS.
 - " The simple and primary goal of this stadard was the specification of a simple & nobust WLAN which offers time - bound & asynchronous services.
 - ~ Wireless networks exhibit two different basic system architecture:

(i) Infrastructure Based Infra Structure (ĉi) Ad-Hock. 802.X LAN Based Distribution System Access ESS 802-11LAN

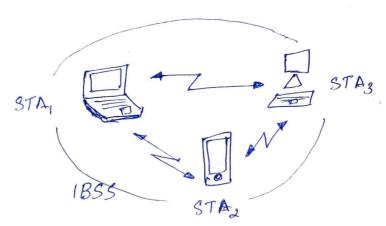
Anchi ketre of infrastructure based

- ~ Several nodes called, stertions (STA;) are corrected to the Acess Points (AP)
- ~ These station are devices (aka terminats) with acess me chanisms to wine less me dium, or radio confact to AP. eg: - Bobile Smartphones.
- ~ Basic Survice Set (BSS) is formed by an AP and the stations (or node/torninals) within the Same tradio voverage.
- ~ A distribution system connects several BSSs ria Acess Points and thekely extending the network coverage.
- ~ Now, mis newly formed network is called the Extended Service Set (\$55), and it has its on id called ESSID.
- ~ The distribution system connects the wireless network ota the AP& with a portal, which forms internetworking units to other LANS.

Ad-Hoc Network

IEEE 802.11 also pllows the building of ad-hoc network between the stations (or nodes).

~ This forms an Independent Base service Set (1.835)



- « Thus 1855 compriss of stations with the connected with the same radio frequency (eg: 2.4GHz) Network)
- ~ This provied new and exiciting features in technolog as each staction can communicate directly with the other.

9:- Hotspot Network, Bluetooth Pouring.

A 2.) Hands-off Strategy

- ~ A hand off sufus to the process of transfring an active call or data session of one cell-in a cellular network to another.
- A well implemented hard-off or hard-over is important for unintroupted service to a caller or dala session user.

~ Hard offs are classified into two types:

· Hard Herad off:

- ~ Thou às an actual brakak in connection while switching from one all or base station to another.
- « But switching is done very quickly & gols unnoticed by a user.
- ~ It is affordable but with a slight delay.

· Soft Houd off:

- It entails two convertion to the cell phone from two different baseslation.
- ~ It is more costly but smoother.
- ~ There is no break in the ongoing sowice.