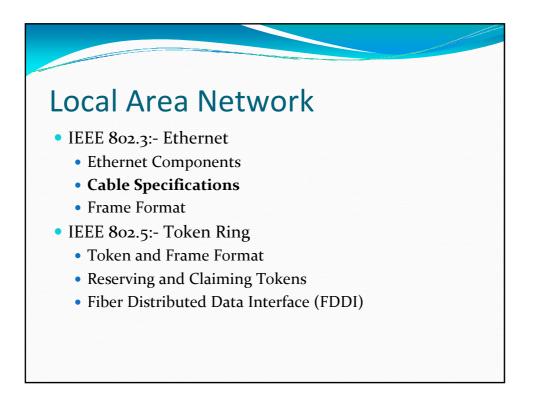


IEEE 802.3:- Ethernet

Sequence of Activities:-

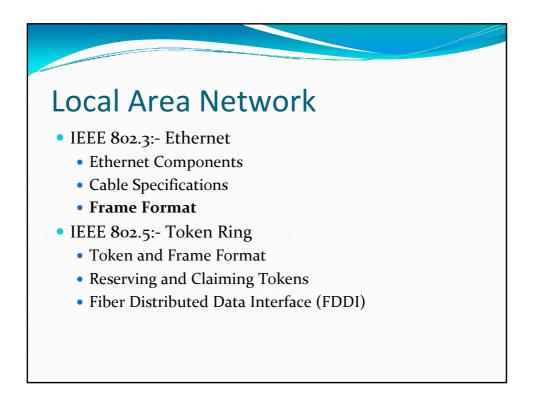
- 1. PC sends packet information to interface card
- 2. Interface creates frame and wait signal from transceiver
- 3. Transceiver detects quite, Frame is passing to the medium.
- (Operate with protocol:- CD, backoff, ...)
- 4. At receiver, transceiver detects frame and pass to interface
- 5. Interface has CRC check and pass to PC.
- 6. PC validate data and pass to higher layer.

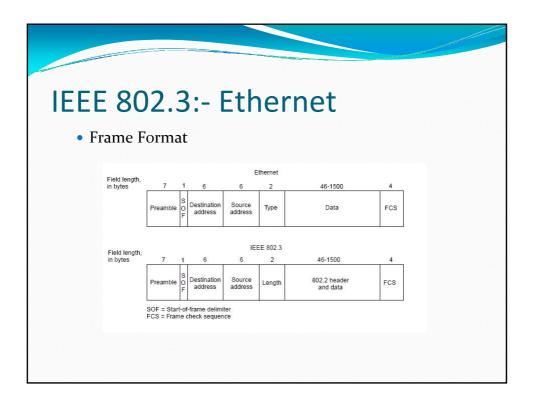


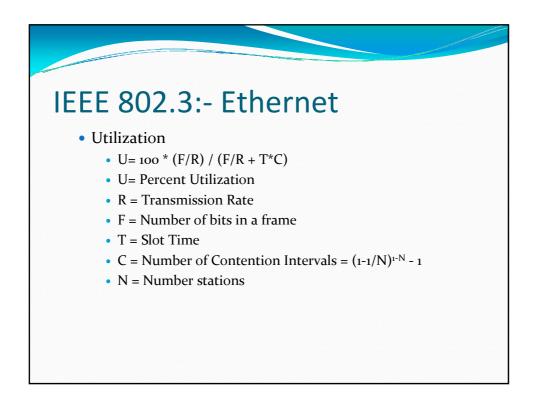
IEEE 802.3:- Ethernet

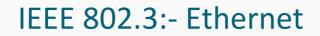
Cable Specifications

Туре	Detail	Max Dist	Max Rate
• 10 Base 5	50 ohm 10 mm diameter	500 m	10 Mbpsn
• 10 Base 2	50 ohm 5 mm diameter	185	10 Mbps
• 10 Broad 36	75 ohm coax cable	3600	10 Mbps
• 1 Base 5	unshielded twisted pair	250	1 Mbps
• 10 Base-T	unshielded twisted pair	100	10 Mbps
<u>Repeater</u>			
-			



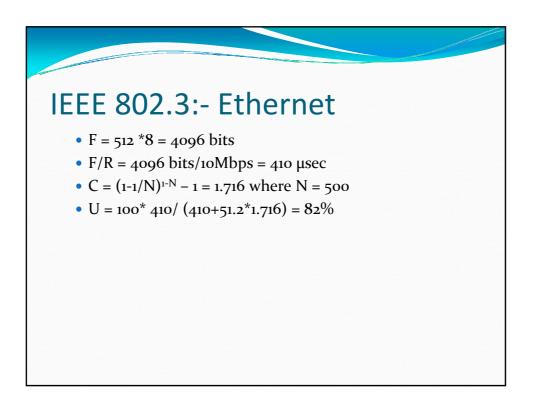


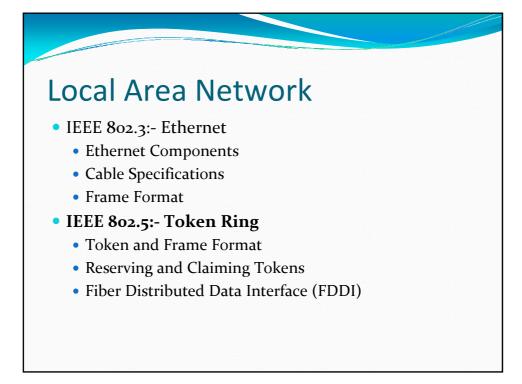




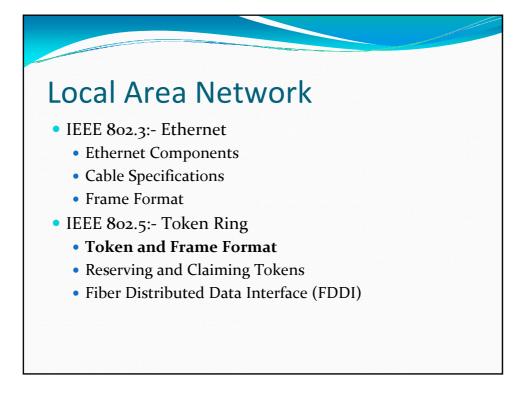
• 802.3 LAN (10 Base 5) with 500 Stations connected to five 500-meter segments. The data rate is 10 Mbps, and the slot time is 51.2 µsec (standard). If all stations transmit with equal probability, what is the channel utilization using a frame size of 512 bytes ?

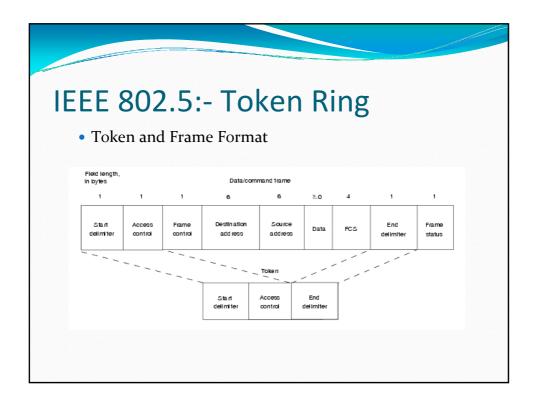
• Ans: 82 % how to do this?

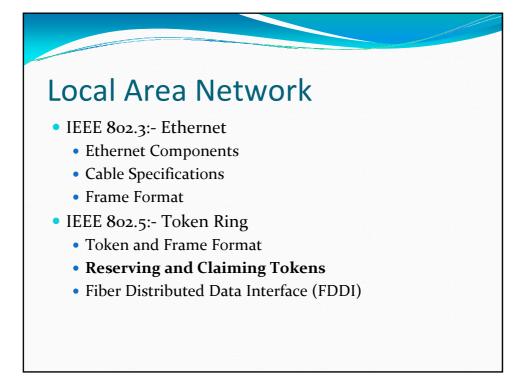














IEEE 802.5:- Token Ring

• Reserving and Claiming Tokens

Only stations with a priority equal to or higher than the priority value contained in a token can seize that token. After the token is seized and changed to an information frame, only stations with a priority value higher than that of the transmitting station can reserve the token for the next pass around the network. When the next token is generated, it includes the higher priority of the reserving station. Stations that raise a token's priority level must reinstate the previous priority after their transmission is complete.

