6) Explain about different types of unquided transmission media. Ans: The different type of unquided transmission media are listed below: -> Radio transmission -> Microwave transmission -> Infrared and Millimeter Waves - Lightwave Lansmission · Radio Fransmission -> They are easy to generate, can travel long distances, and can penetrate buildings easily. -> They are widely used for rummunication, both indoors and outdoors. Radio waves are dependent. At low Lucquencies, radio waves

dependent. pass through obstacles well.

-> The military also communicate in the HF and VHF bands. dicrowave Transmission Jor long distance telephone communication, mobile phones, television distribution, and other uses that a severe shortage of expecteum has developed. -> The main advantage is that no eight of way is needed, and can beypour the telephone system and communicate directly. -> 9t is relatively inexpensive. Infrared and Millimeter Waves -Aloguided infrared and millimeter waves are widely used for short-range communication. - They are relatively directional, cheap and eary to build but have a major dearback. they don't pass through solid adjects. , deswrity of infrared systems against eaverdropping is better than that of radio system precisely for this reason.

Lightwave Transmission -This scheme offers very high bandwidth and very low wet. - It is also relatively easy to install - The law's strength, a very narrows beam, is also its weakness here. Jog, but they normally work well on surry days.