A45605222043 Ques Explain wireless docal loop (NL) that provides telephone and integrat scruces elsing wireless technology It somes as an attenuative to traditional wired connections, offering a flerible, cost effective solution particularly in areas where laying colder is difficult or expensive. Base Station (BS) > Acts as a central hub communicating with curtainer equipment wirelessly Customer bramises Equipment (CPE) > deires like antennas and moderns at the users location allowing communication with base station Suitching center > manger call routing billing and network suitching control system > ensure smooth communication and nanages spectrum use

Transmission process.

The base station to ansmite voice and data signals to CPEs within its range.

It enables two way communication with
the switching center connecting cells
or data to external networks. > well was licensed frequency hands to avoid Types of WLL

1. fixed > provide service to a fixed location.

2. mobile > offers mobility while staying connected broadband > provides high speed wreless internet. Adventages >
1. cost effective and fast installation > no needfor Cables, making it dreafer and quicker to 2 pecility in remote areas > ideal for areas
with difficult Terrain.

2 scalability > can easily expand by adding
base station.

dimitations > signal interferences - prione to interference. from physical obstacles himital range > wers need to be within the base station coverage. Capacity constrains - benduidth limited the number of users Condusion > WILL provides a practical and cost effective solution for delivering communication services, especially in areas where traditional wired infrastructure is difficult or costly to install.