

Electronics Communications interview questions and answers

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What are different categories of antenna and give an example of each?

Different categories of antenna are as follows :

1. Wire Antennas - Short Dipole Antenna
2. Microstrip Antennas - Rectangular Microstrip (Patch) Antennas
3. Reflector Antennas - Corner Reflector
4. Travelling Wave Antennas - Helical Antennas
5. Aperture Antennas - Slot Antenna
6. Other Antennas - NFC Antennas

What is handover and what are its types?

Handover in mobile communication refers to the process of transferring a call from one network cell to another without breaking the call.

There are two types of handover which are as follows :

Hard Handoff : hard handoff is the process in which the cell connection is disconnected from the previous cell before it is made with the new one.

Soft Handoff : It is the process in which a new connection is established first before disconnecting the old one. It is thus more efficient and smart.

What is ionospheric bending?

When a radio wave travels into the ionospheric layer it experiences refraction due to difference in density. The density of ionospheric layer is rarer than the layer below which causes the radio wave to be bent away from the normal. Also the radio wave experiences a force from the ions in the ionospheric layer. If incident at the correct angle the radio

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