



7.
  - a) Why antenna array is required? Also discuss the concept of super directivity.
  - b) Describe in detail the design considerations for linear arrays antennas.
8. Write short notes :
  - a) Antenna temperature
  - b) Radiation power density
  - c) Polarization
  - d) Radiation power density

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**NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.**