

www.FirstRanker.com

SECTION-B

2. Explain and derive the general solution of transmission line terminated with any load impedance.
3. Derive the expression for direction of pattern maxima and minima for array n isotropic sources of equal amplitude and spacing (for broadside).
4. What is distortion less transmission line? Derive the expression for the distortion less condition.
5. Describe the mapping of constant resistance and constant reactance circle on reflection coefficient plane.
6. Derive relation between E and H in uniform plane wave propagation.

SECTION-C

7. Explain the concept of polarisation. What are the conditions for different types of polarisation?
8. Explain the structure of atmosphere. Discuss the range of space wave propagation.
9. Discuss the construction and operation of paraboloid reflector antenna.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.