    (b) Derive an expression for magnetic field intensity due to finite long straight element.   10

5. (a) What do you mean by Fading ? How it can be minimized ?   5
    (b) Write a short note on Ionospheric Propagation.   5
    (c) Explain Super Refraction and Tropospheric Fading.   10

6. (a) Prove that static electric field is irrotational and static magnetic field is solenoidal.   10
    (b) Explain Reflection of Uniform Plane wave at Oblique Incidence.   10

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