**Practise Exercise :10.3**

The transmission line shown in fig: 10.9 is 40m long and has **Vg =15∠00  Vmin, Z0 =30+J 60** , and **VL=** **5∠-480 Vmax.** if the line is matched to the load, Calculate

(a). The input impedance **Z**in

(b). The sending end current **I**in and **V**in

(c). The propagation constant

Answer: