

The logo of the Indian Institute of Technology Delhi is a circular emblem with a scalloped orange border. Inside, there are concentric circles. The outermost ring contains the text 'INDIAN INSTITUTE OF TECHNOLOGY DELHI' in a serif font. The inner ring contains the text 'भारतीय प्रौद्योगिकी संस्थान दिल्ली' in Devanagari script. In the center, there is a stylized orange symbol resembling a lotus or a flame, with three smaller lotus-like motifs at its base.

POST-EXPERIMENT QUIZ

1. What is the effect of imperfect matched load on VSWR measurement?
2. What is the effect of poorly matched power meter probe (or crystal detector) on the measurement of coupling factor and directivity?
3. Which of the two parameters, coupling factor and directivity, shows a greater variation with frequency over the specified frequency range? Why?
4. Suggest a method for measuring coupling factor and directivity using a calibrated attenuator. Comment on the accuracy compared to a direct-meter-reading method.