

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.

POST-EXPERIMENT QUIZ

1. Why the slot is cut in the centre of the waveguide not off centre?
2. What types of errors are introduced in measurement due to finite probe depth and a slot in a waveguide?
3. Why detector is required to have a square law response? If it has response proportional to the cube of the input what correction you will need to apply.
4. Why the Klystron/Gunn source is square wave modulated at end frequency range?
5. If the excitation of the waveguide is changed to TE_{mn} mode, can we continue with this set up? What will be the effect of multimode in measurement?