

The logo of the Indian Institute of Technology Delhi is a circular emblem with a scalloped orange border. Inside, a white ring contains the text 'भारतीय प्रौद्योगिकी संस्थान दिल्ली' in Hindi at the top and 'INDIAN INSTITUTE OF TECHNOLOGY DELHI' in English at the bottom. The center features a stylized orange 'IITD' monogram and a smaller emblem below it depicting a person and a lotus.

PRE-EXPERIMENT QUIZ

1. Express a gain of 1000 in decibels.
2. What is the relation between efficiency, directive gain and power gain?
3. What is the directivity of an isotropic radiator?
4. Calculate the gain of the waveguide horn available in the laboratory.
5. For a given horn, how does gain vary as the operating frequency is increased?