

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 purple. The inner ring contains the text 'भारतीय प्रौद्योगिकी संस्थान दिल्ली' in Devanagari script. In the center, there is a stylized orange symbol resembling a flame or a flower, with a small purple emblem below it.

### 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?