

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 lamp (diya) with a flame, and below it, three smaller symbols: a lotus flower, a book, and another lotus flower.

### POST-EXPERIMENT QUIZ

1. Does the  $Q$ -depend on the coupling of the cavity?
2. What are the different types of coupling to cavity?
3. Give the equivalent circuit of a cavity at the resonant frequency, and also below and above the resonance frequency.
4. What are the dimensions of rectangular, cylindrical & coaxial cavity to achieve maximum  $Q$ ?
5. Where the fixed and variable cavities used?