## **Pre Experimental Quiz: Experiment 3**

- 1. Why is guide wavelength different than the free space wavelength?
- 2. Why is it required to keep the metal plate normal to the axis of the waveguide?
- 3. The relation between guide wavelength and free space depends on larger dimension 'a' of the guide and not the shorter dimension 'b'. Why?
- 4. What is the cutoff frequency for TEM mode?