## EMO Assignment 3 (Lab) section-C PHY-120

- Q1.0) Using Huygen's principle drow a diagram to show propagation of a wovefront originating from a monochromatic point source.
- (b) Describe diffraction of light due to a single slit. Explain formation of a pattern of fringes obtained on the screen and plot showing wriation of intensity with angle of in single diffraction.
- One Light of wavelength Suonm is incident normally on a slit of width or 2mm. (a) what is the angular position of the first minimum? (b) What is the position of the second-order minimum on screen placed at Hm from slit?