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B.Sc (DII)
Physics, Paper IV Group - C

Cathode Ray Oscilloscope (CRO)

- The CRO is very useful & versatile laboratory instrument used for display measurement and analysis of wave forms.
- CRO is in fact a very fast X-Y plotter displaying an input signal vs time or another signal.
- The "stylus" of this plotter is a luminous spot which moves over the display area in response to input signal.
- The luminous spot is produced by the beam of electron striking fluorescent screen.
- The normal form of CRO uses a horizontal input voltage which is an internally generated sawtooth voltage called "time base".
- This ~~base~~ horizontal voltage moves the luminous spot periodically in horizontal direction from left to right over the display area or screen.

→ The horizontal & vertical movement are independent to each other and thus the beam may be positioned anywhere in screen.

→ The working part of CRT are enclosed in a glass envelope.

→ CRT is heart of CRT

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