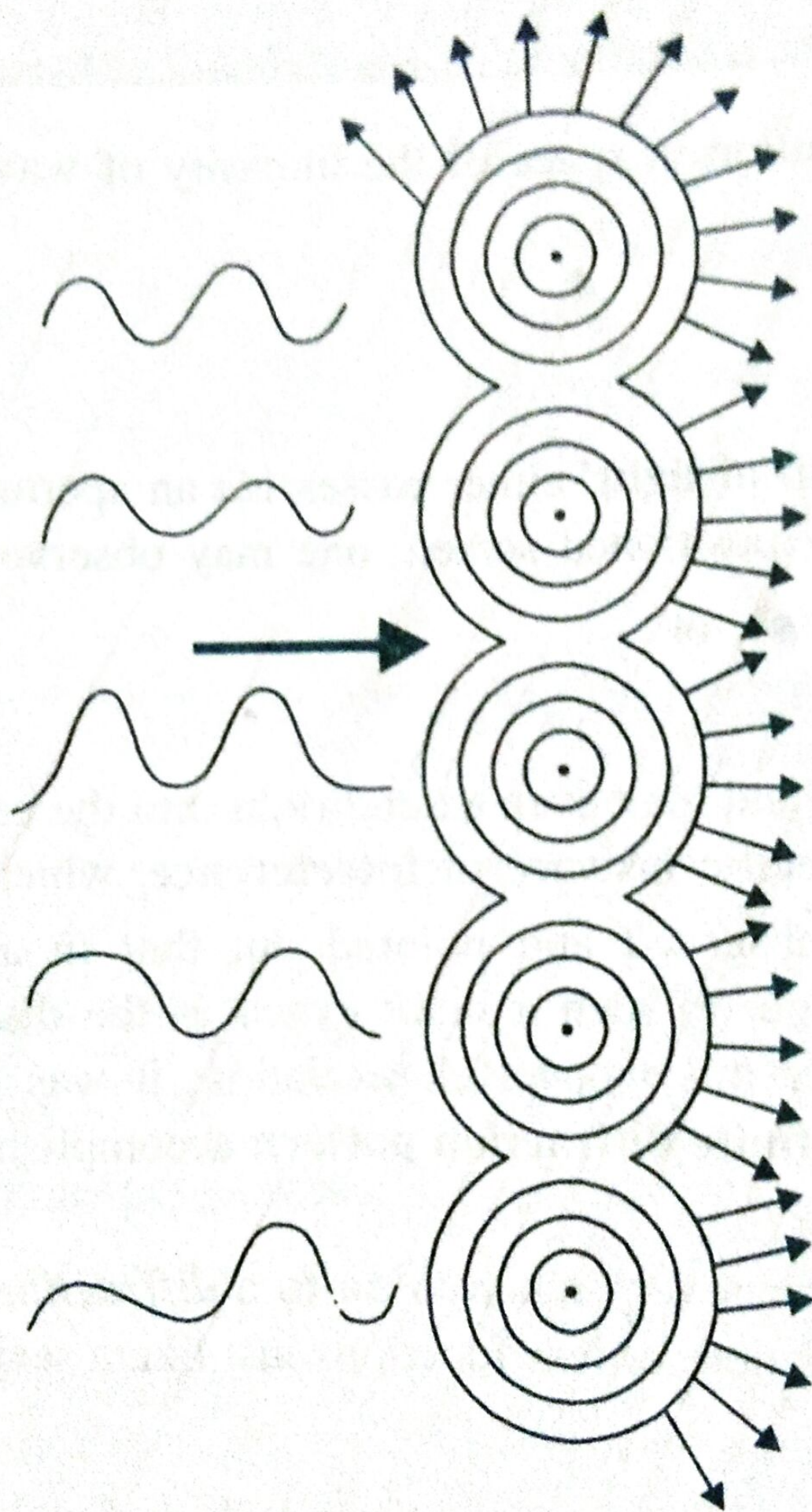




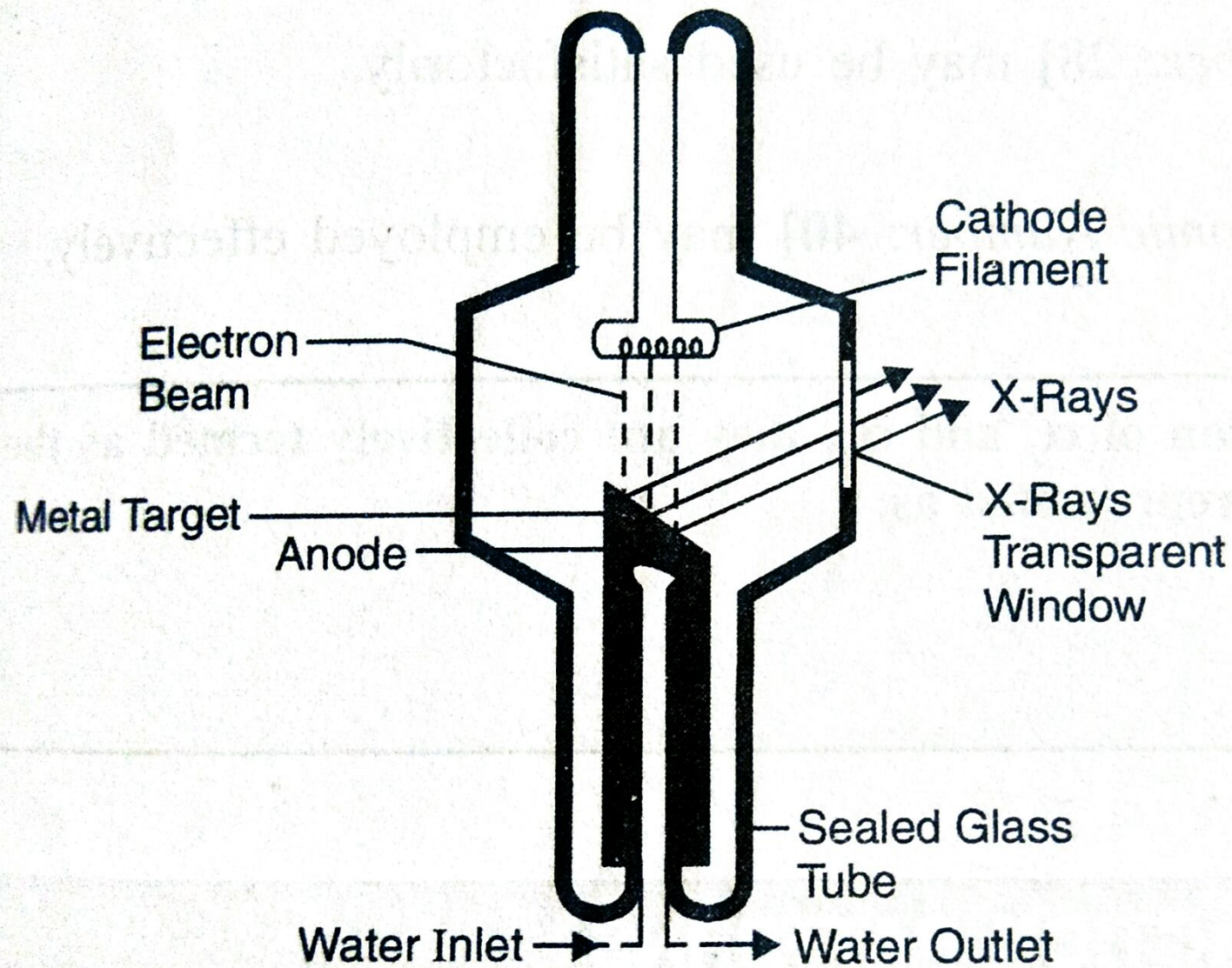


Figure 24.2 (a): Diagrammatic Section of the X-Ray Generating Tube Assembly.

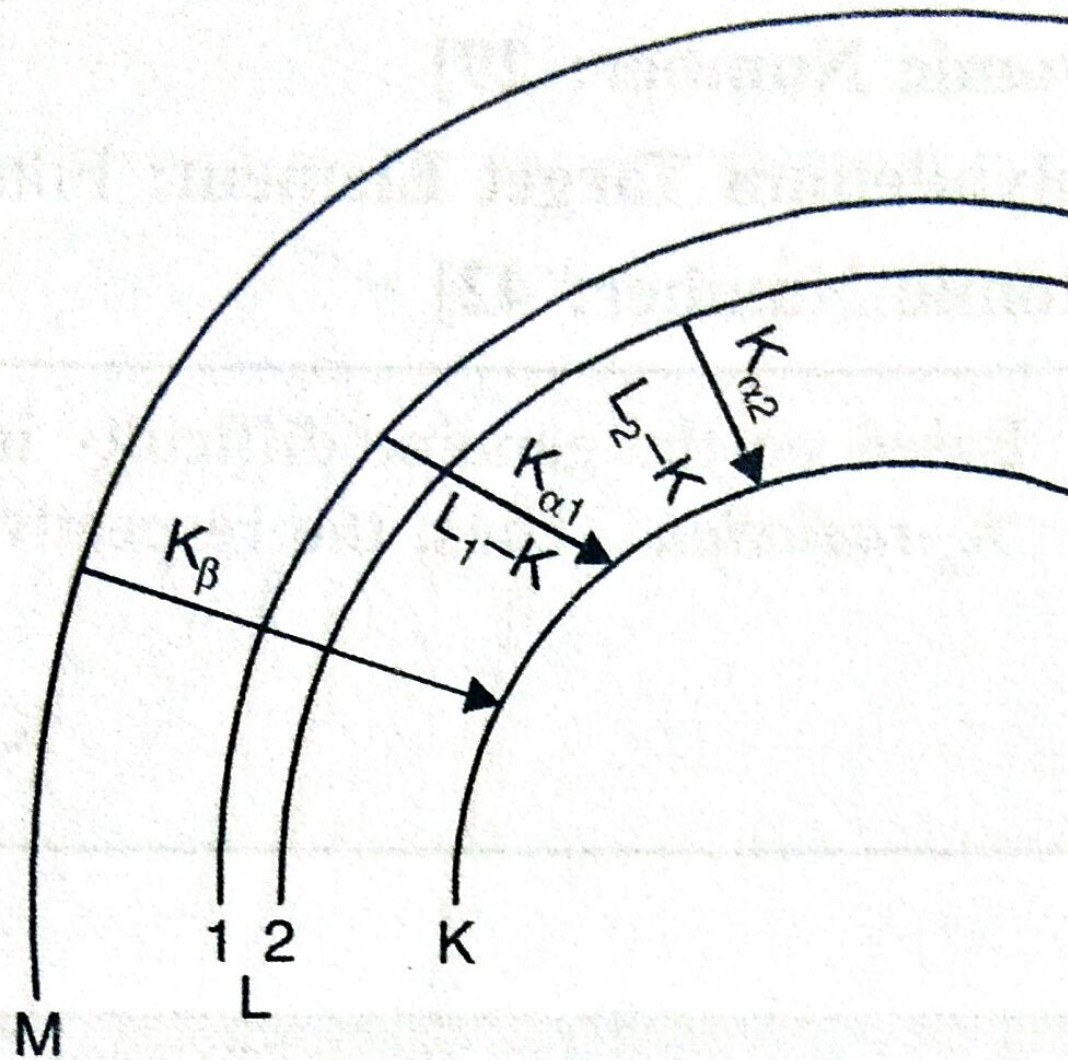


Figure 24.2 (b): Diagrammatic Illustration of Schematic Energy Level Depicting the Movement of Electrons from M- and L-Levels to K-Level.

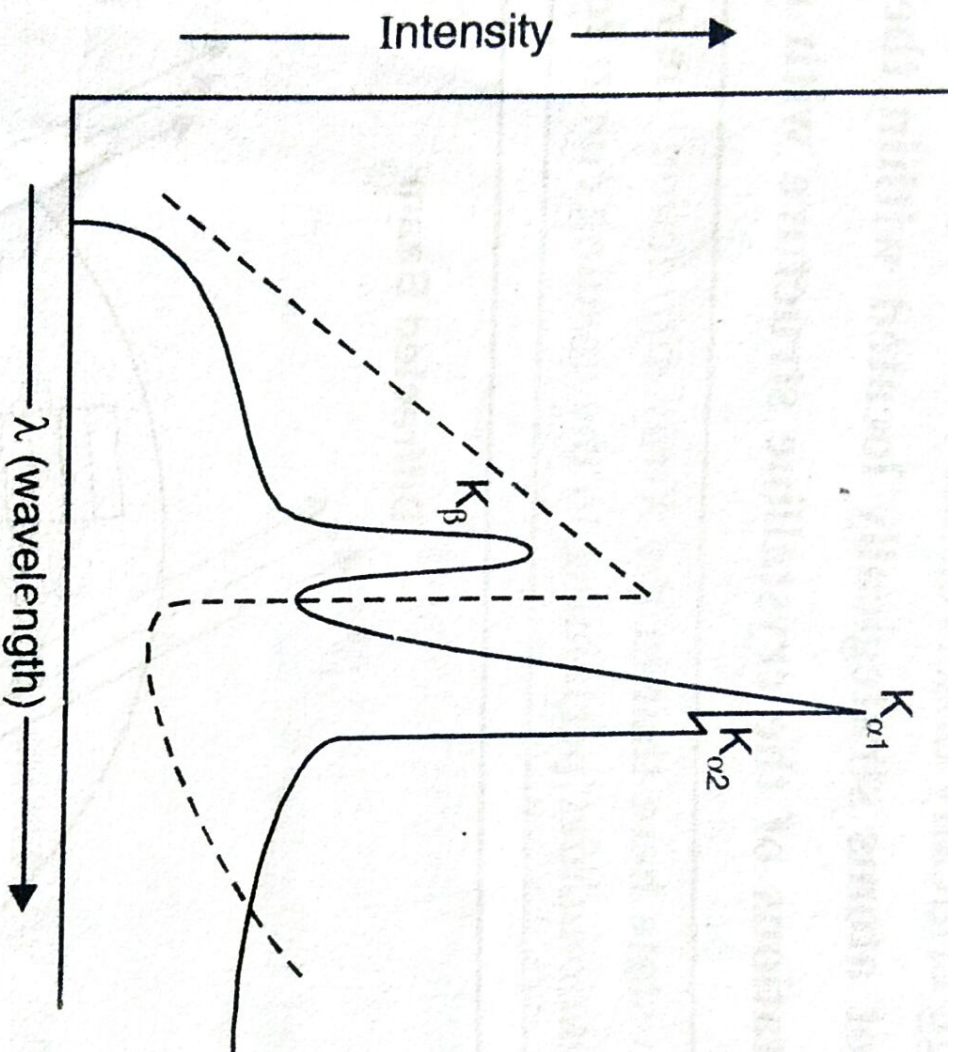


Figure 24.2 (c): The Schematic Representation of the Intensities of $K_{\alpha 1}$, $K_{\alpha 2}$, and K_{β} Radiation.

*The Dotted Line Curve shows the Absorption of the Filter so as to Eliminate K_{β} .

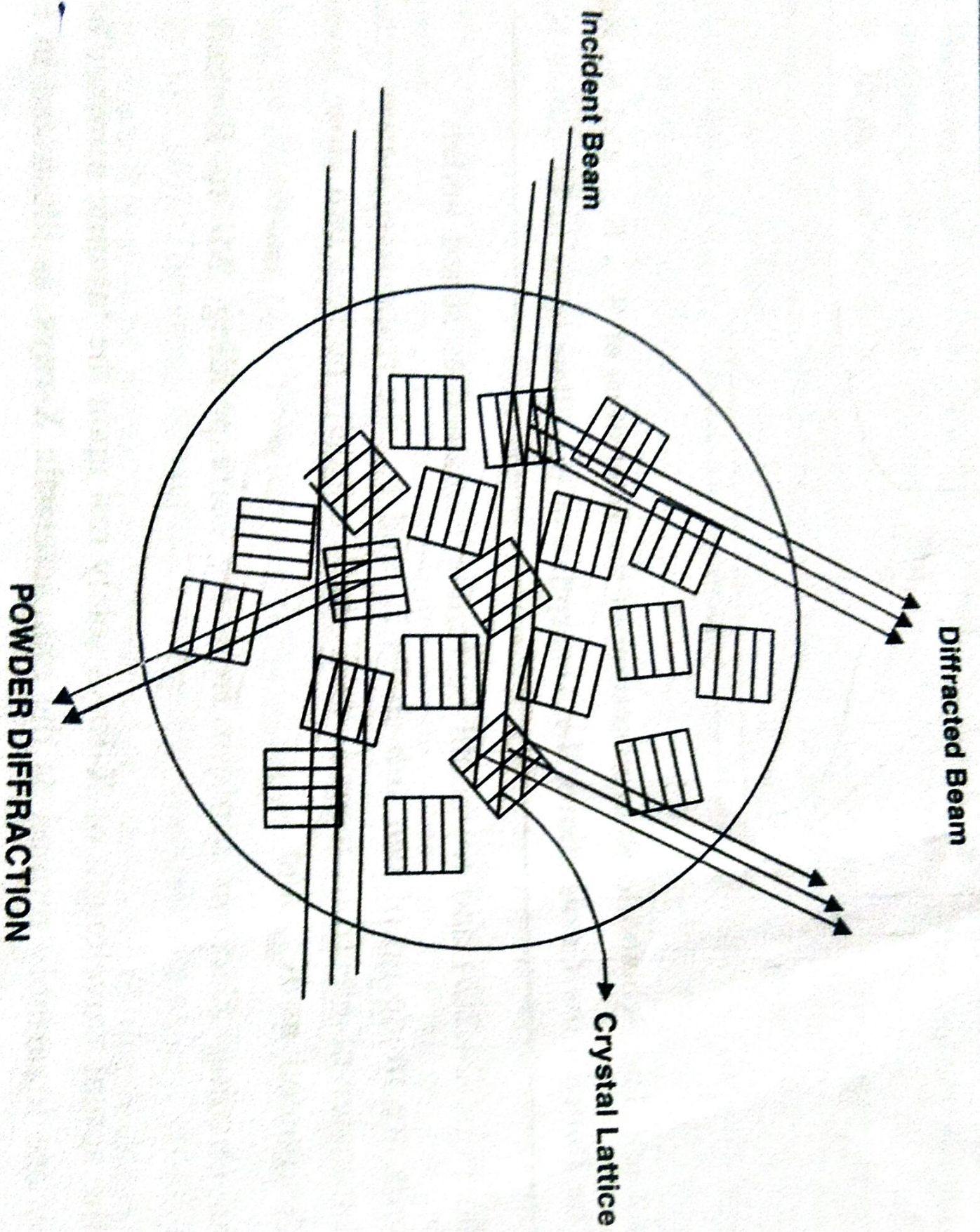


Figure 24.3: Diagrammatic Representation of X-Ray Powder Diffraction.

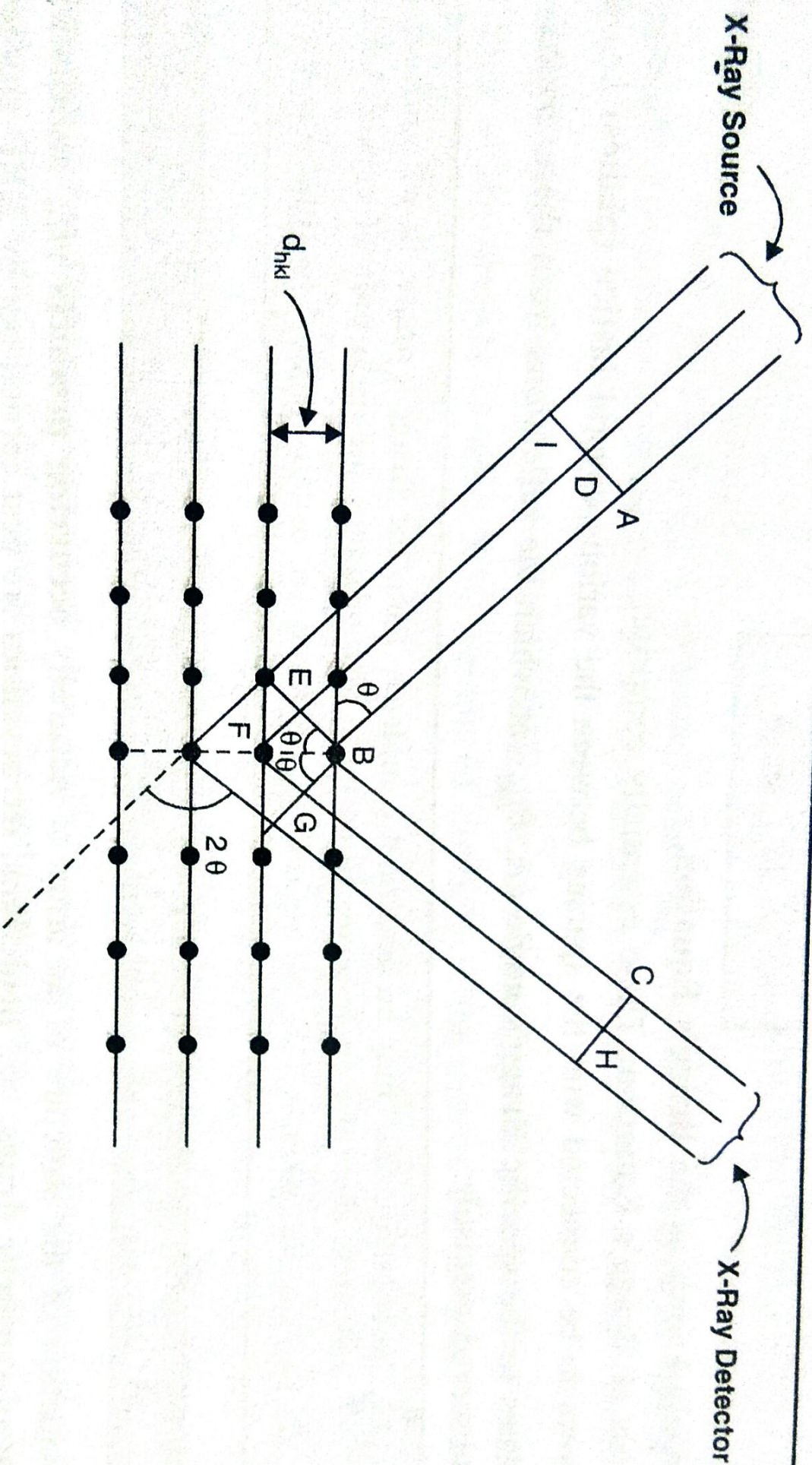


Figure 24.4: Diagrammatic Representation of a Bragg Reflection from a Set of Crystal Planes with a Interplanar Spacing ' d_{hkl} '.

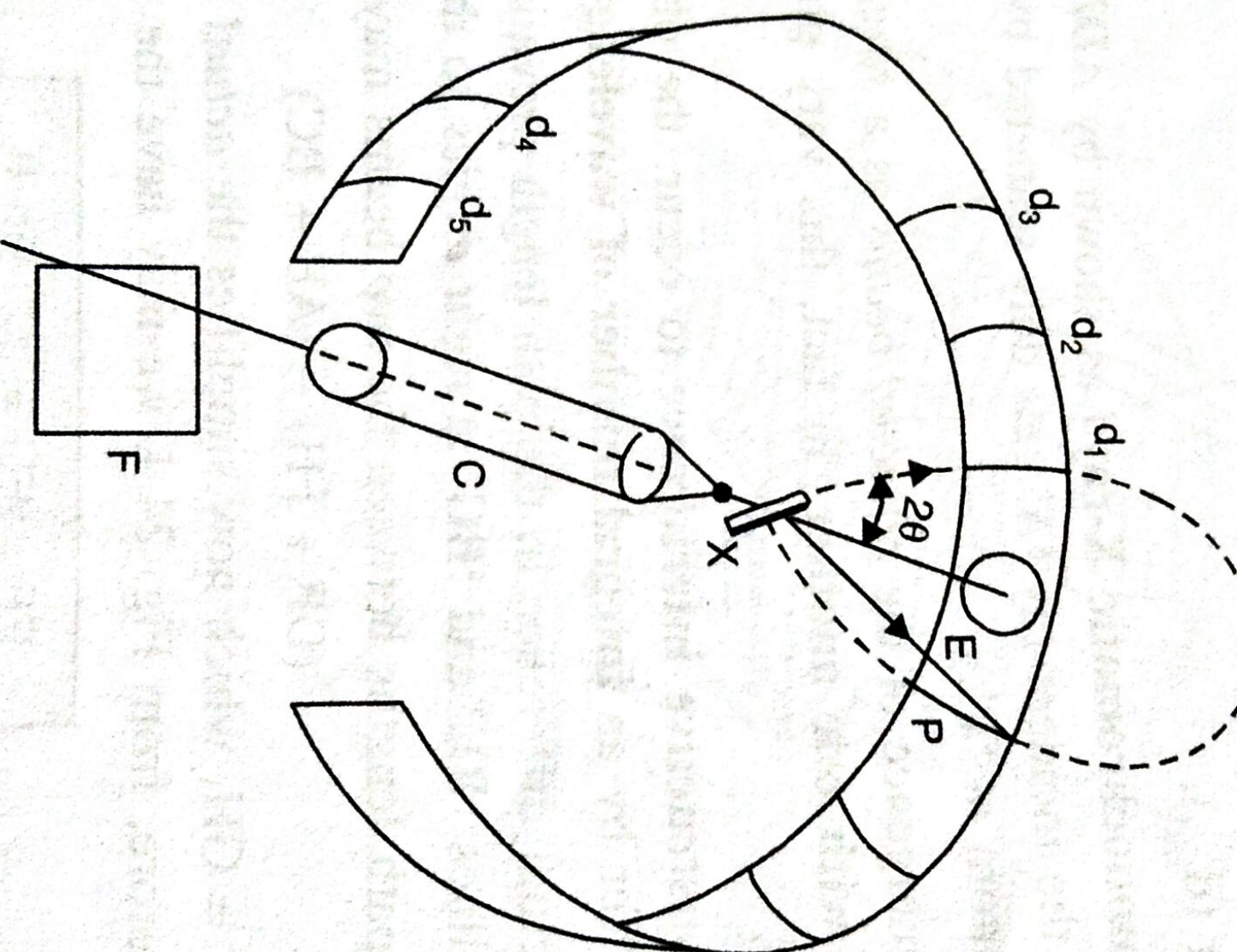
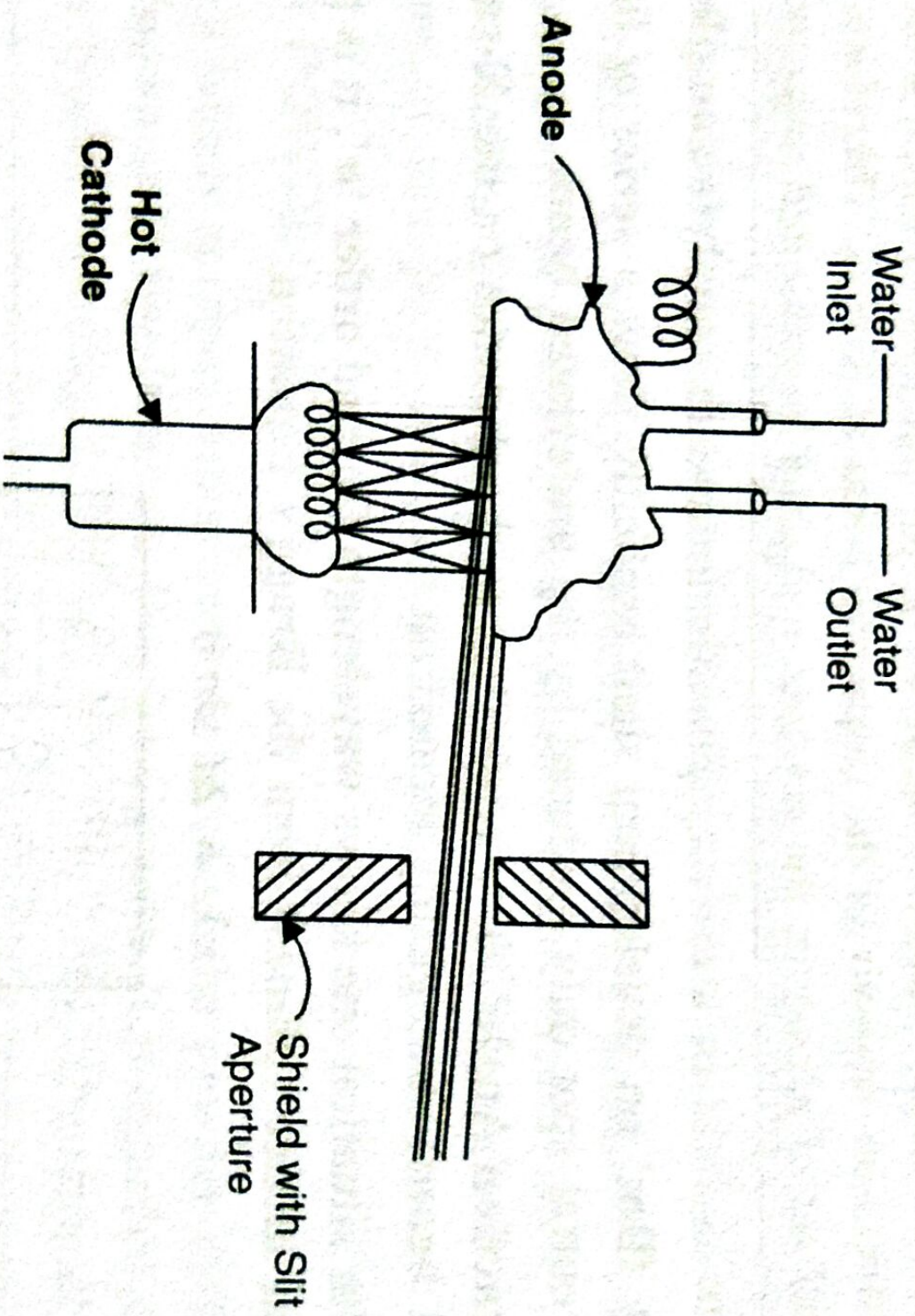


Figure 24.5: The Geometrical Features of a Debye-Scherrer Powder Camera.



The Electrodes of a Typical X-Ray Tube Showing the Electron Beam at a Glancing Angle.