The **Straight Line Method (SLM)** serves as the baseline framework for asset depreciation due to its mathematical simplicity. It models value degradation as a uniform linear function over time, assuming the property loses an identical monetary value during every single year of its operational service life. To find the book value at mid-life (C_5), we determine the uniform annual depreciation charge (d) by dividing the total depreciable capital (C_o - C_L) by the full expected lifespan (L), then deduct five years of accumulated charges from the original purchase price.

First, compute the uniform annual depreciation charge (d) using the parameters C_o = ₱220,000, C_L = ₱30,000, and L = 10 years:

$$d = \frac{C_o - C_L}{L} = \frac{₱220{,}000 - ₱30{,}000}{10} = ₱19,000\ per\ year$$

Next, find the book value at the end of Year 5 (C_5) by subtracting the accumulated linear depreciation (D_5 = 5d) from the original cost:

$C_5 = C_o - 5d = ₱220{,}000 - 5(₱19{,}000)$

C_5 = ₱125,000