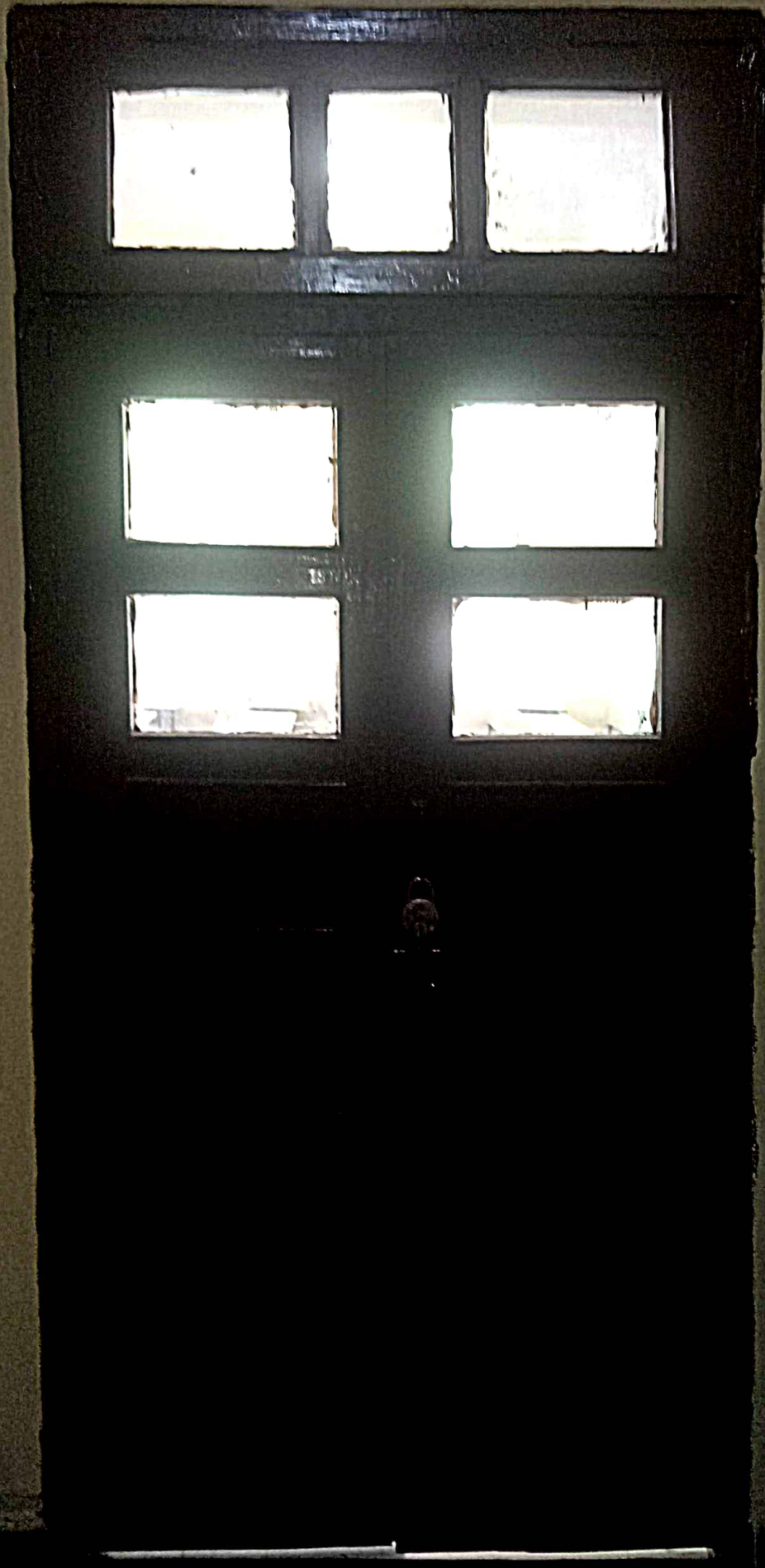


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MTS UG LECTURE HALL
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Q.
$$r^2 \frac{dy}{dx} + x \frac{dy}{dx} + y = x^2$$

Variance = $V(x)$
$$= E(x^2) - [E(x)]^2$$

$$= (7.5) - [2.5]^2$$

$$= 7.5 - 6.25$$

$$= 1.25$$



