

➤ **Que.** : *The Complete set of uncertainty reactions (pair of conjugate variables) are...*

➤ **Answer:**

- $\Delta x \Delta p_x \geq \hbar/2$ [POSITION-MOMENTUM]
- $\Delta y \Delta p_y \geq \hbar/2$ [POSITION-MOMENTUM]
- $\Delta z \Delta p_z \geq \hbar/2$ [POSITION-MOMENTUM]
- $\Delta E \Delta t \geq \hbar/2$ [ENERGY-TIME]
- $m \Delta v \Delta x \geq \hbar/2$ [velocity – position]
- $\Delta n \Delta \theta \geq \hbar/2$ [NUMBER – PHASE]
- $\Delta L \Delta \theta \geq \hbar/2$ [ANGULAR MOMENTUM – ANGULAR ORIENTATION]