

5. For ionization of excited Hydrogen atom, the, required energy is:

- (a) a little less than 13.6
- (b) equal to 13.6
- (c) more than 13.6
- (d) 3.4 or less

5. **Answer :** (d) 3.4 or less

Explanation: The energy of the electron is -3.4 eV in first excited state and the its magnitude is less for higher excited state.