

**The correct answer is b), 20 moles = 280 g, as follows.**

- 1) Each mole of Ammonium molecules contains 1 mole (14 g) of N atoms and 3 moles (3 g) of H atoms.
- 2) 60 g of H atoms is 60 moles of H atoms and is enough therefore to make  $60/3 = 20$  moles of ammonium.
- 3) 20 moles of ammonium require 20 moles of N atoms, equal to  $20 \times 14 = 280$  g.
- 4) The correct answer is b).