$$H(f) = T_s \,\mathrm{rect}\left(\frac{f}{2B}\right)$$

From the Fourier transform table, we have

$$\mathrm{sinc}(2Wt) \leftrightarrow \frac{1}{2W}\,\mathrm{rect}\left(\frac{f}{2W}\right)$$

Forcing $W = B$, the above transform pair becomes

$$2B\,\mathrm{sinc}(2Bt) \leftrightarrow \mathrm{rect}\left(\frac{f}{2B}\right)$$

Hence, the impulse response is

$$h(t) = 2BT_s\,\mathrm{sinc}(2Bt)$$

-- end --