

$$\frac{27}{(iii)} \quad \lim_{x \rightarrow -1} \frac{x^{2n+1} + 1}{x+1} = \lim_{x \rightarrow -1} \frac{(x+1)(x^{2n} - x^{2n-1} + x^{2n-2} - \dots + 1)}{x+1} = \lim_{x \rightarrow -1} (x^{2n} - x^{2n-1} + \dots + 1) = 2n+1$$