

$$\textcircled{5} \text{ i) } \left. \begin{array}{l} 360 = 2^3 \cdot 3^2 \cdot 5 \\ 294 = 2 \cdot 3 \cdot 7^2 \end{array} \right\} \Rightarrow \text{mcd}(360, 294) = 2 \cdot 3 = 6$$

$$\text{ii) } 360 = 294 \cdot 1 + 66$$

$$294 = 66 \cdot 4 + 30$$

$$66 = 30 \cdot 2 + 6$$

$$30 = 6 \cdot 5 + 0$$

$$\text{mcd}(360, 294) = 6$$