Question 1.
Provide a detailed mechanism for the following transformation. Identify the key steps.

\[
\begin{align*}
\text{MeBr} & \text{Me} \\
\text{Me} & \text{Me} \\
\text{Me} & \text{Me} \\
\end{align*}
\]

There are 6 pages (2-7) of questions in this exam.
Question 2.
Provide a detailed mechanism for the following transformation. Identify the key steps.

Question 3.
Provide the needed reaction conditions and a detailed mechanism for the following transformation. Identify the key steps.
Question 4.
Provide a detailed mechanism for the following transformation. Identify the key steps.

Question 5.
Provide a detailed mechanism for the following transformation. Identify the key steps.
Question 6.
Provide a detailed mechanism for the following transformation. Identify the key steps.