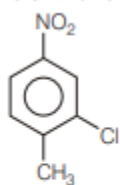


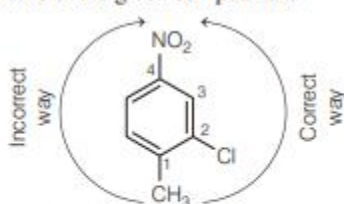
The correct IUPAC name of the following compound is



(2019 Main, 9 April I)

- (a) 2-methyl-5-nitro-1-chlorobenzene
- (b) 3-chloro-1-methyl-1-nitrobenzene
- (c) 2-chloro-1-methyl 1-4-nitrobenzene
- (d) 5-chloro-4-methyl 1-1-nitrobenzene

The IUPAC name of the given compound is



2-chloro-1-methyl-4-nitrobenzene

Here, the given compound contains two or more functional groups. So, the numbering is done in such a way that the sum of the locants is the lowest.