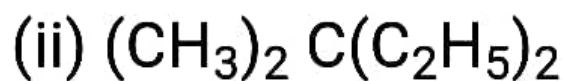
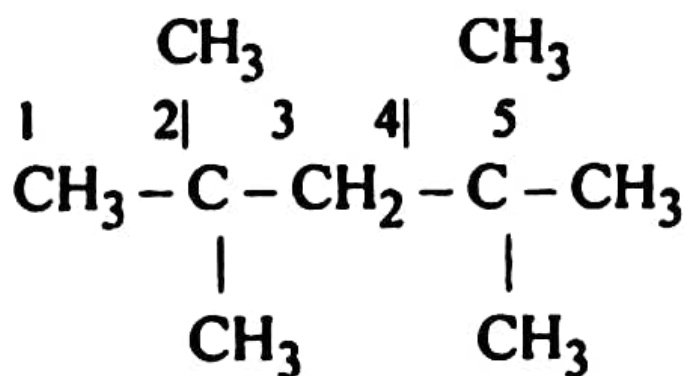


Q) Write IUPAC names of the following compounds:

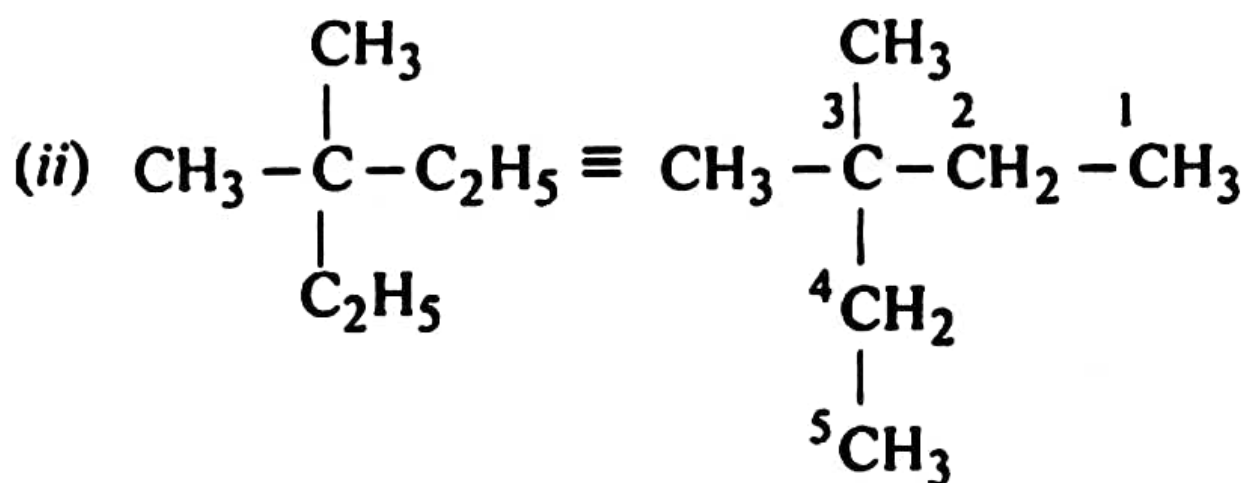


(iii) tetra-tert-butyl methane

(i)

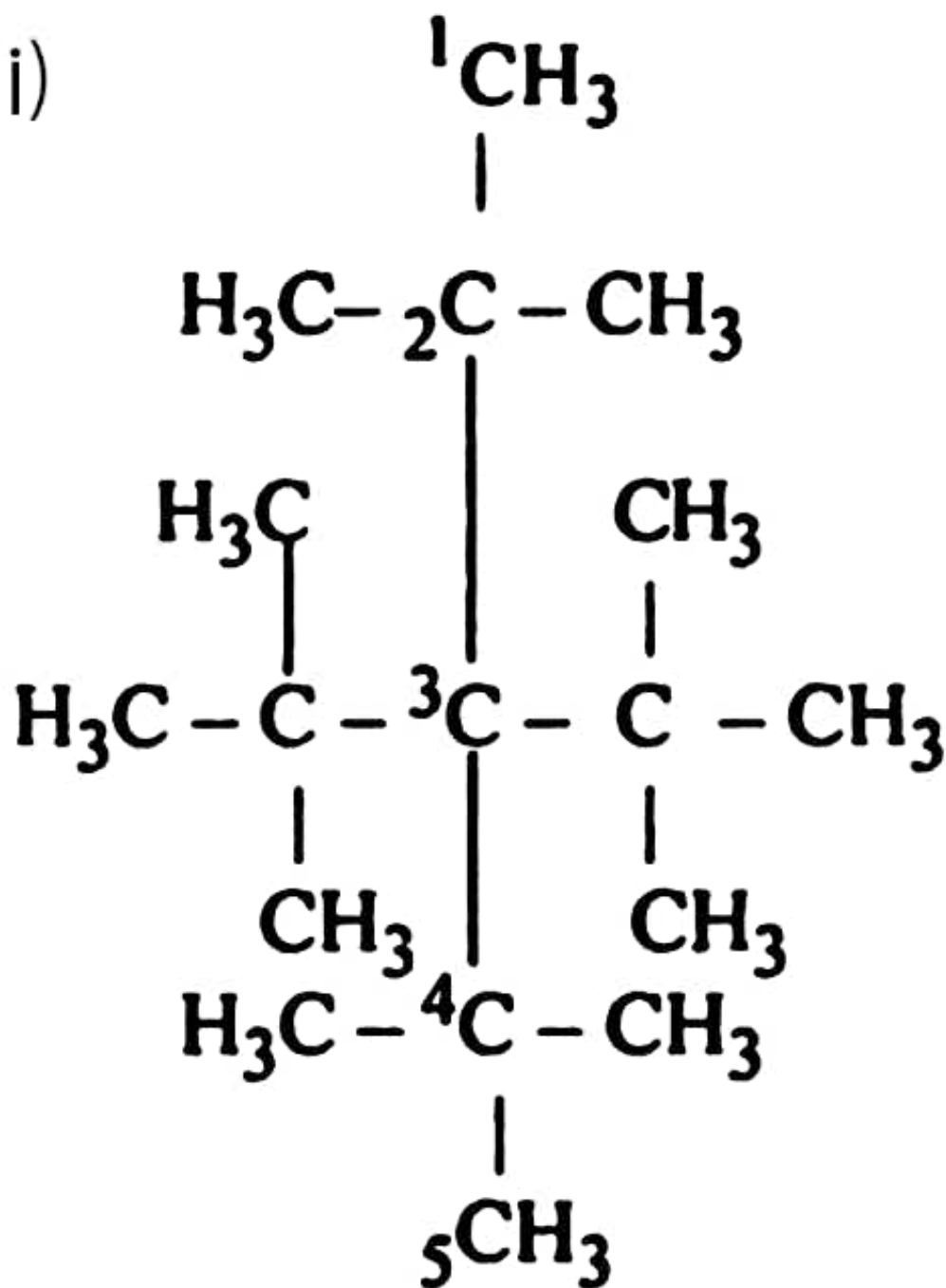


2, 2, 4, 4-Tetramethylpentane



3, 3-Dimethylpentane

iii)



3, 3-Di-tert-butyl-2, 2, 4, 4-tetramethylpentane

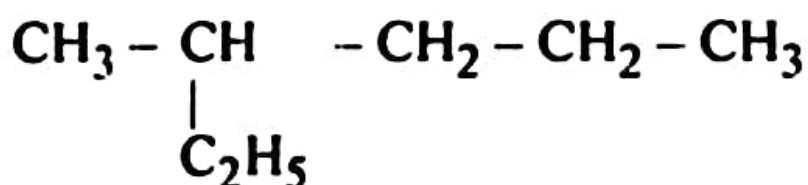
Q) Write structures for each of the following compounds. Why are the given names incorrect?

Write correct IUPAC names:

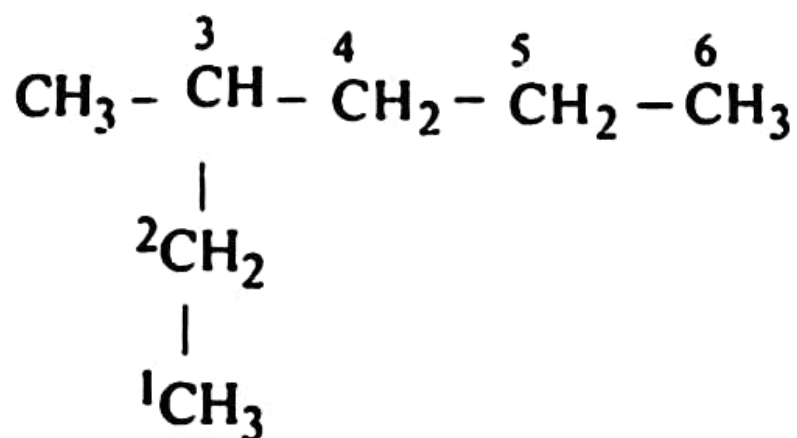
(i) 2-Ethylpentane

(ii) 5-Ethyl-3-methylheptane

(i) The structure of 2-Ethyl pentane is:

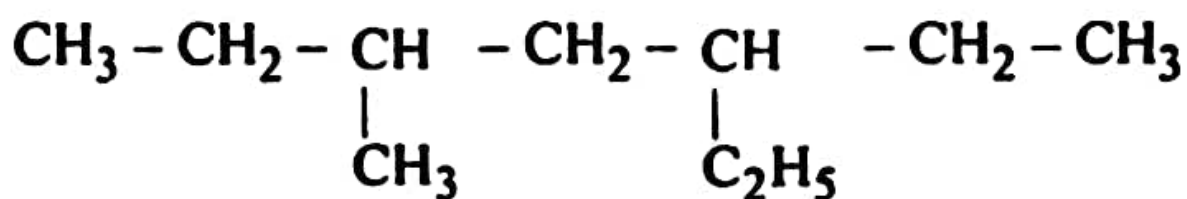


Largest chain is of six carbon atoms and not that of five:

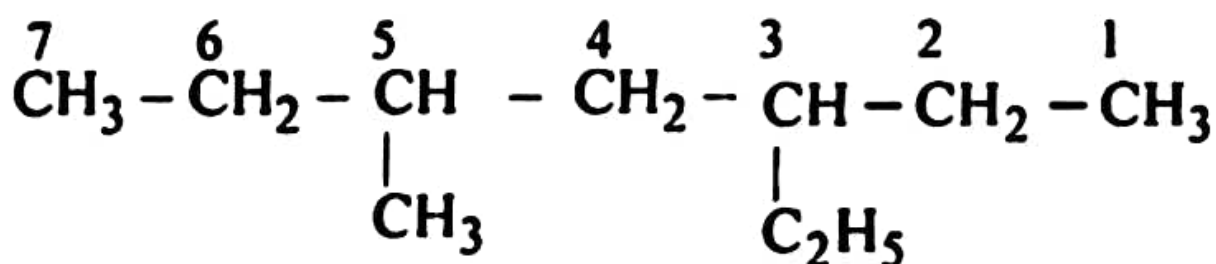


3-Methylhexane (correct name)

(ii) Structure of 5-Ethyl-3-methylheptane is:



Numbering is to be started from the end which gives the lowest number to ethyl group



3-Ethyl-5-methylheptane (correct name)