

Key # 7

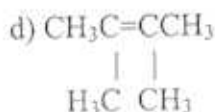
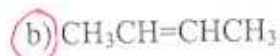
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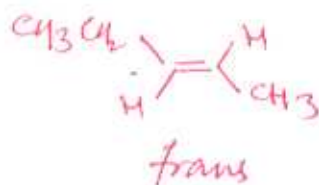
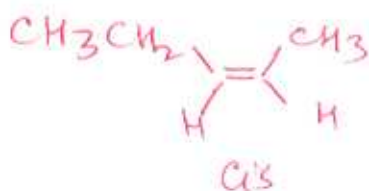
[1]

Q.1 Which of the following compound exhibit *cis* and *trans* isomers.



[1]

Q.2 Write down the *cis* and *trans* isomers of the compound 2-pentene.



[3.0]

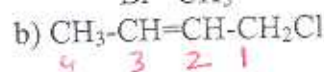
Q.3 Write down the systematic name of the following compounds.



→ 4-chloro-1-butene



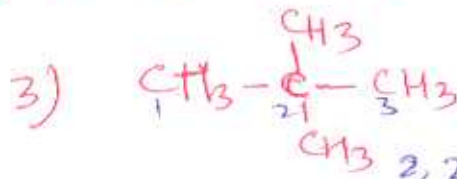
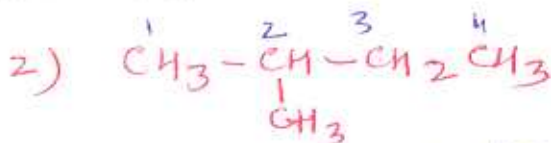
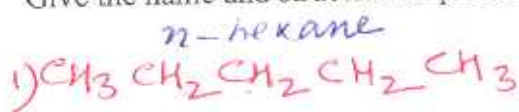
→ 2-Bromo-3-methylhexane



→ 1-chloro-2-butene

[3.0]

Q.4 Give the name and structure all possible isomers of C_5H_{12} .



2-methylbutane

2,2-dimethylpropane

[1]

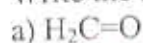
Q.5 In saturated hydrocarbon which of the following isomer is possible?

a) Geometrical Isomer

b) Structural Isomer

[1]

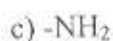
Q.6 Write the name of the functional groups.



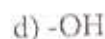
Aldehyde



Carboxylic acid



Amine



Alcohol