

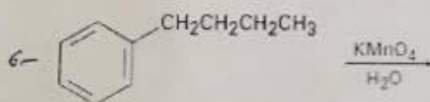
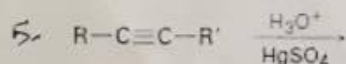
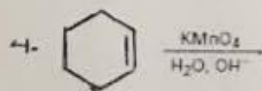
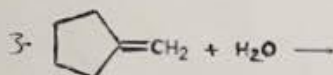
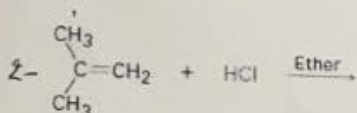
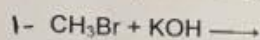


الدورة الأولى 10/6/17-18

Final semester examination of second semester 2016-2017

Note: Answer only four questions (10 marks for any question.)

Q1// Complete the following reactions: (Only five)



Q2// A // Draw both cis and trans isomers of the following structures:

- 1- (1,2-dichlorocyclohexane) 2- (1,3-dimethylcyclopentane)

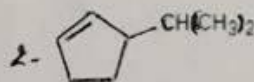
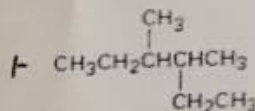
// B // Propose structures for two isomers with this formula 1- $\text{C}_4\text{H}_8\text{O}_2$ 2- C_8H_{18} .

Q 3// Give the structure of the following Functional Groups:

- 1- Amine 2- Nitrile 3- Disulfide 4- Aldehyde 5- Ether.

Q4 // A // Define Elimination reactions and give one example of it:

// B // What is the IUPAC name of the following compounds:



Q5// Draw structures of the following compounds:

- 1- (1,2-Dimethyl-4-propyloctane) 2- (p-Bromochlorobenzene) 3- (2-Methylhexa-1,5-diene)

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