

Course No: DNTS1305
Course Title: Organic Chemistry
Date: 27/03/2014
No. of Questions: (6)
Time: 1 hours
Using Calculator (No)

University of Palestine



2nd Mid Term Exam
Semester 2013/2014
Total Grade:

Instructor Name: _____
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Question One:

2-heptene is completely burnt in oxygen to produce CO₂ and water, write a balanced equation to show the reaction. (2 marks)

Question Two:

Explain how hydrocarbons of different carbon chain length in petroleum could be separated into different fractions. (1 mark)

Question Three: (1 mark)

Ethane and ethene are two hydrocarbons with the same number of carbon atoms. Which is more reactive and why?

Question Four: (1 mark)

Alkanes can perform two kinds of reactions: _____ & _____

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Question Five: (12 marks)

Name and draw the major products in the following reactions:



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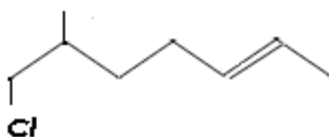
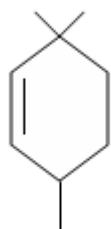
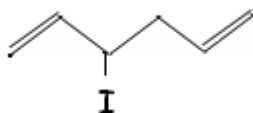
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Cyclohexene + HBr (Catalyst: AlCl₃) -----→

1,4-pentadiene + H₂ (excess and catalyst: Platinum) -----→

Question Six: (3 marks)

Give the IUPAC name for each:



End Of Question