

Questions

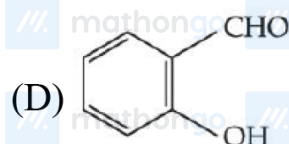
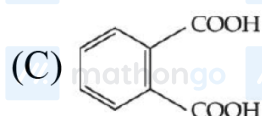
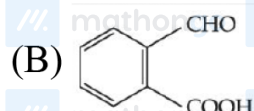
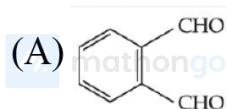
MathonGo

Q1 - 25 July - Shift 1

An organic compound 'A' on reaction with NH_3 followed by heating gives compound B. Which on further strong heating gives compound C ($\text{C}_8\text{H}_5\text{NO}_2$). Compound C on sequential reaction with ethanolic KOH, alkyl chloride and hydrolysis with alkali gives a primary amine. The compound

Space for your notes:

A is :

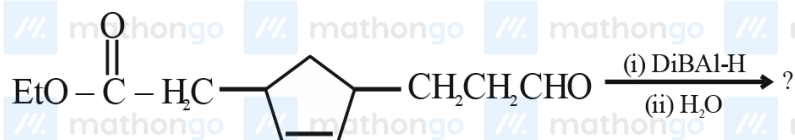


Q2 - 26 July - Shift 2

#MathBoleTohMathonGo

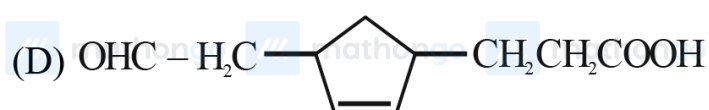
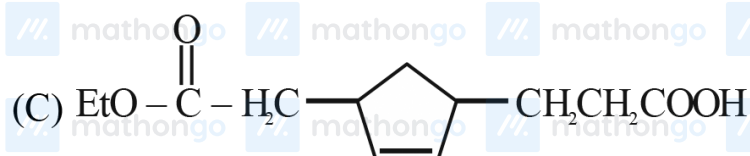
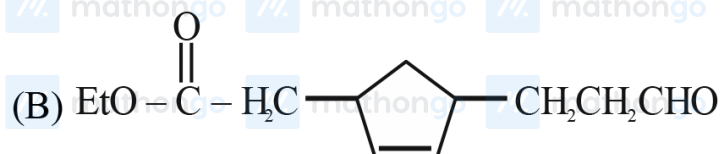
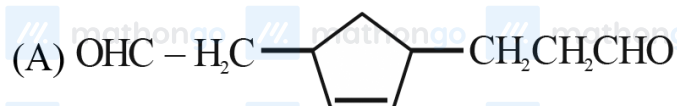
Questions

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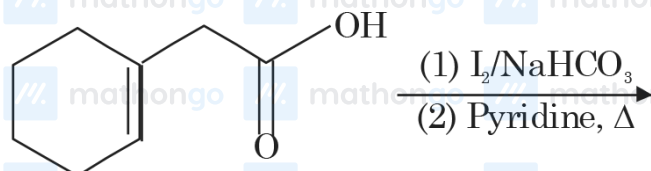


Space for your notes:

Consider the above reaction and predict the major product.

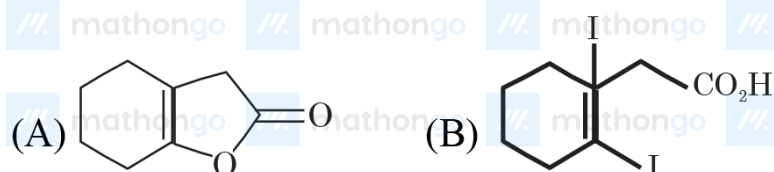


Q3 - 28 July - Shift 2



Space for your notes:

Find out the major product for the above reaction.



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Questions

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Answer Key

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Q1 (C)**Q2 (A)****Q3 (C)**

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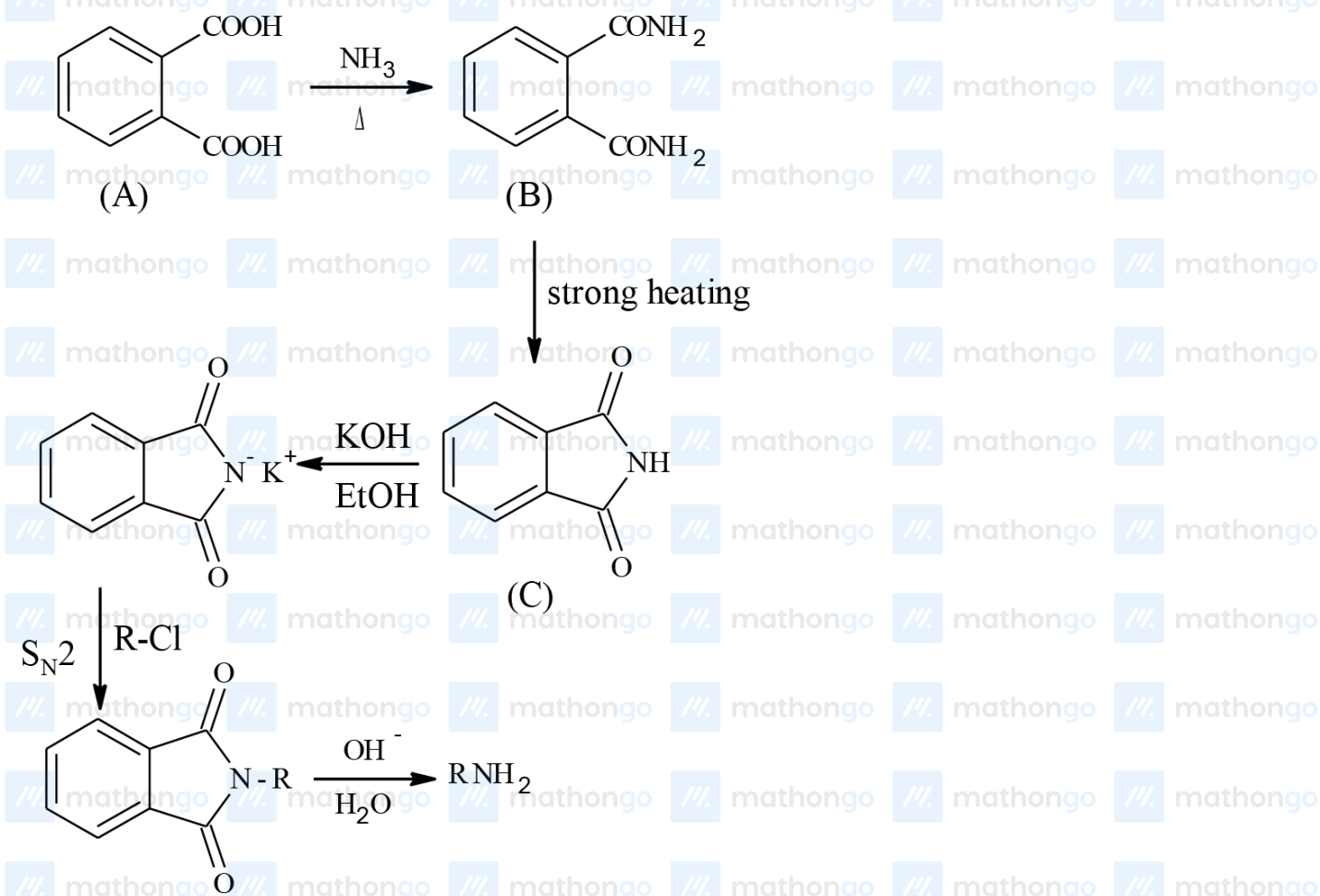
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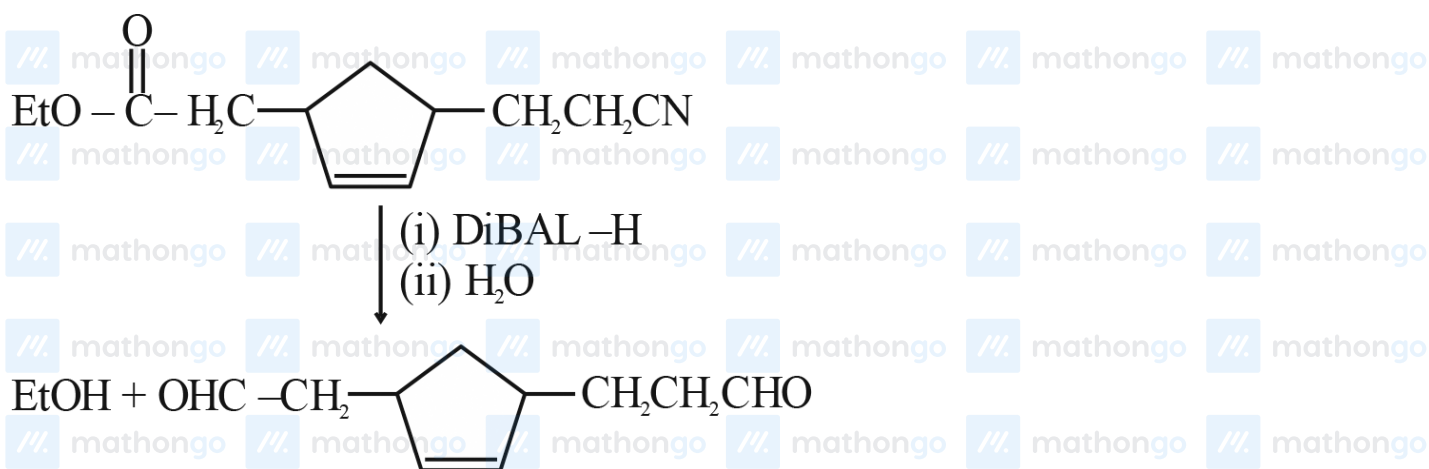
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Q1 (C)

Gabriel Phtalimide reaction



Q2 (A)

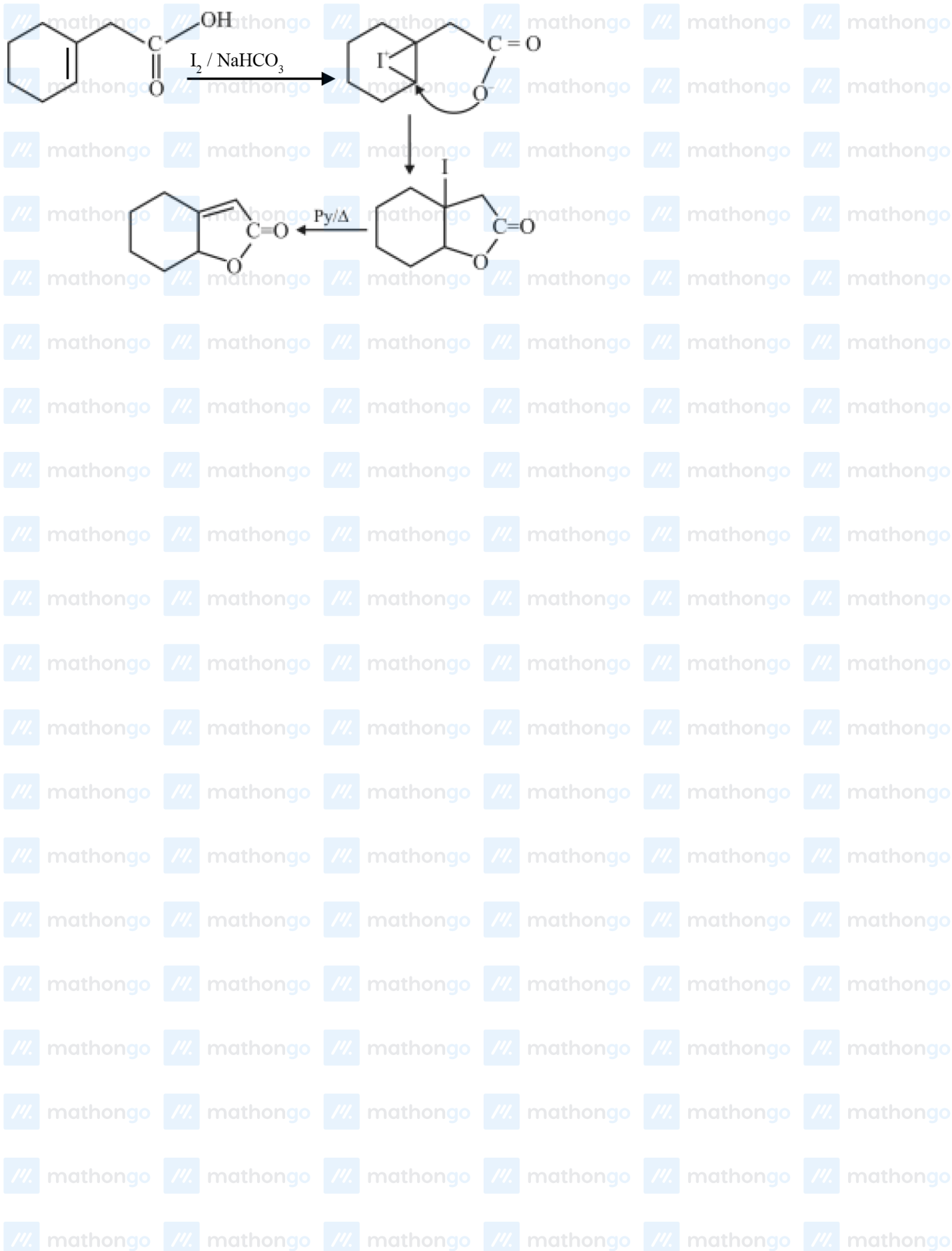


Q3 (C)

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Hints and Solutions

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