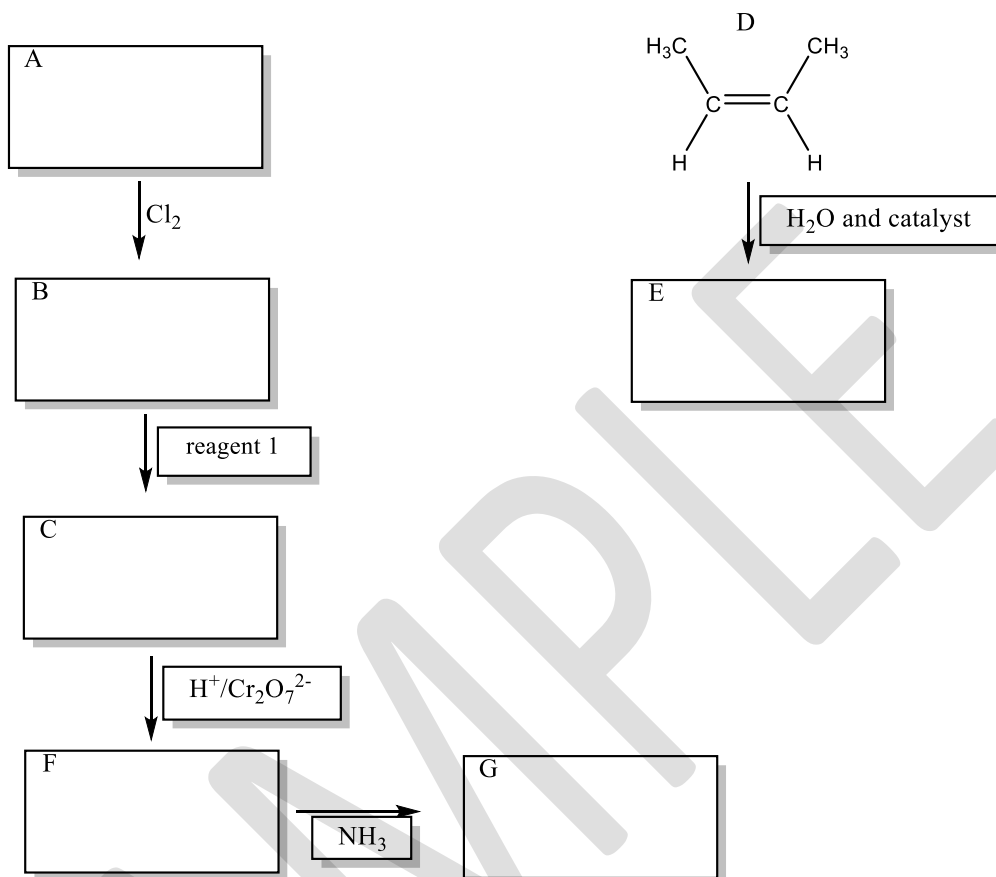


Question 6

(10 marks)

The pathway below on the left shows the formation of a primary amide, G containing **three** carbon atoms. The pathway on the right shows the formation of another organic molecule E.



- Give the structural formula of G in the box provided. (1 mark)
- Give the semi-structural formulae of compounds A, B, C, and F in the boxes provided. (4 marks)
- Name compounds B and C. (2 marks)

- Name reagent 1. (1 mark)

- What is the name of the organic molecule E? (1 mark)

- Draw the organic product formed from the reaction between F and E. (1 mark)

