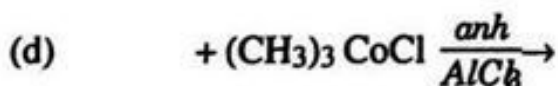
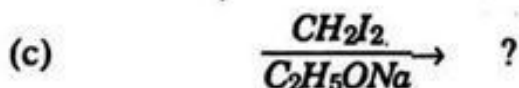
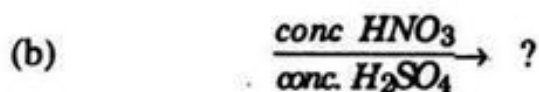
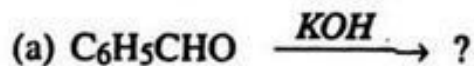


Chemistry (Hons.) Paper-VII

Answer five questions in which Q.No. 1 is compulsory.

1. Predict the product and give the mechanism : LNMUonline.com



2. Give a brief account of the following :

(a) Fries rearrangement (b) Claisen rearrangement (c) Michael addition reaction

3. Discuss the chemistry of the following reagents involved in organic synthesis

(a) Lithium aluminium iodide (b) Periodic acid (c) Diazomethane

4. Establish the structure of Naphthalene by degradation and synthesis. Discuss the isomerism involved in monosubstituted and disubstituted products of naphthalene.

5. (a) What are uric acids ? Discuss the constitution of uric acid.

(b) How is uric acid detected in laboratory ?

(c) Uric acid has no carboxyl group but is an acid and forms salt at 3 and 9 positions. Explain why ? LNMUonline.com

6. (a) What do you mean by dyes ? Discuss Witt's theory of dyes.

(b) Write down the names of four Azodyes with structural formula.

(c) Give synthesis of the following : (i) Fluorescein (ii) Crystal violet (iii) Eosin

7. Write notes on any four of the following :