

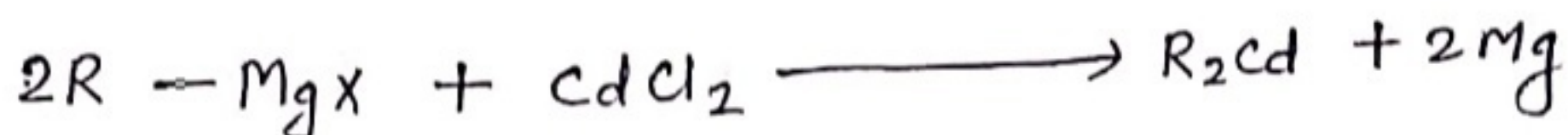
ALDEHYDES KETONES AND CARBOXYLIC ACIDS 1.

CHEMISTRY, DATE 15/12/2020

CLASS-XII, UNIT-12, LECTURE-6

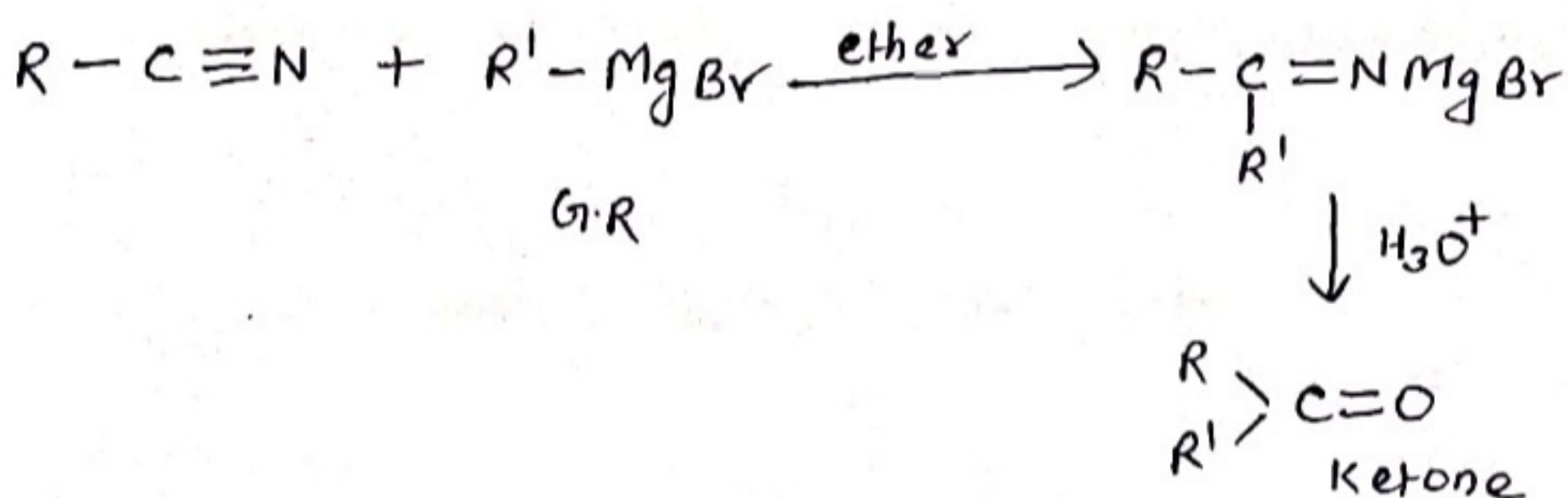
PREPARATION OF KETONES

1. From acid chlorides



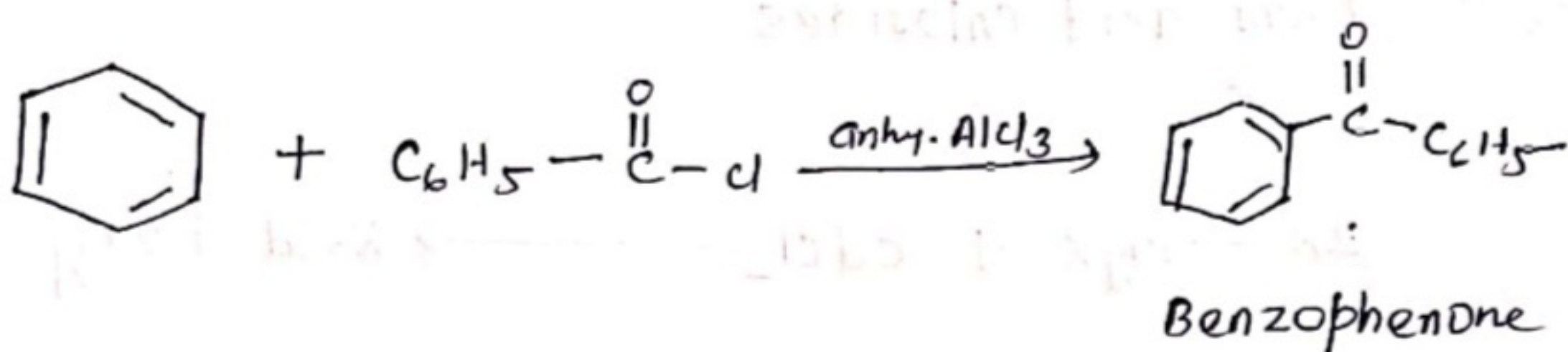
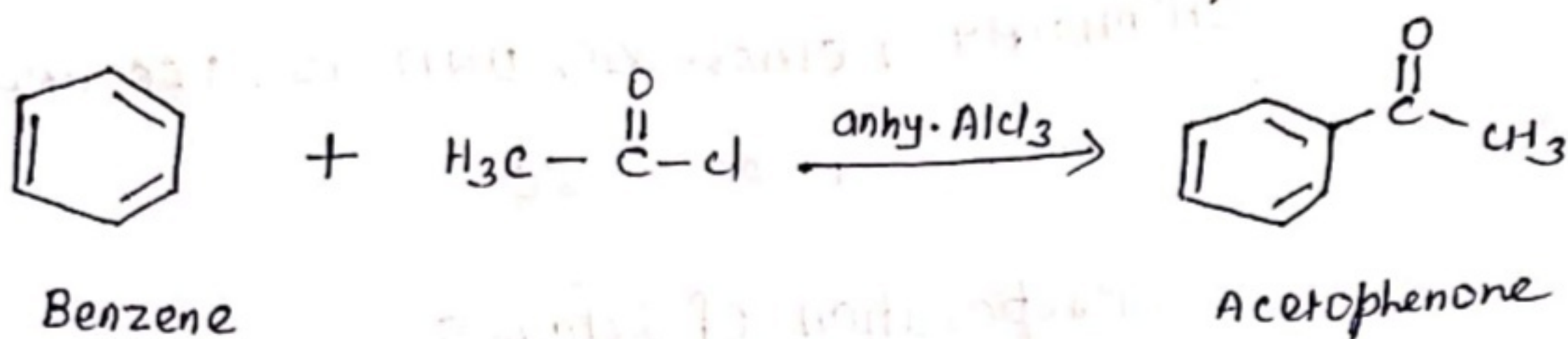
* Treatment of acid chlorides with dialkylcadmium, prepared by the reaction of cadmium chloride with Grignard reagents, gives ketones.

2. From nitriles



3. By Friedel-Craft acylation reaction

2.



NCERT

EX: 12.1

Give names of the reagents to bring about the following transformations.

(i) Hexan-1-ol to hexanal

Ans: PCC

(ii) Cyclohexanol to cyclohexanone

Ans: $\text{K}_2\text{Cr}_2\text{O}_7$ in acidic medium

(iii) But-2-ene to ethanal

Ans: $\text{O}_3 / \text{Zn} - \text{H}_2\text{O}$

Preparation of Ketones

Completed