

PART 1 - CHEMISTRY

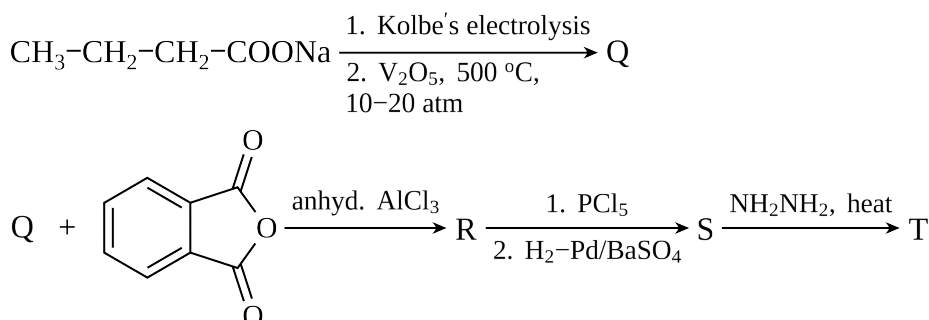
Topic : Aldehydes, ketones and carboxylic acids

SECTION-1 : (Maximum Marks : 4)

- This section contains **ONE** question.
- Each question has **FOUR** options (A), (B), (C) and (D). **ONE OR MORE THAN ONE** of these four option(s) is(are) correct answer(s).
- For each question, choose the option(s) corresponding to (all) the correct answer(s).
- Answer to each question will be evaluated according to the following marking scheme :

Full Marks	: +4	ONLY if (all) the correct option(s) is(are) chosen;
Partial Marks	: +3	If all the four options are correct but ONLY three options are chosen;
Partial Marks	: +2	If three or more options are correct but ONLY two options are chosen, both of which are correct;
Partial Marks	: +1	If two or more options are correct but ONLY one option is chosen and it is a correct option;
Zero Marks	: 0	If none of the options is chosen (i.e. the question is unanswered);
Negative Marks	: -2	In all other cases.
- For example, in a question, if **(A), (B) and (D)** are the ONLY three options corresponding to correct answers, then choosing ONLY (A), (B) and (D) will get +4 marks; choosing ONLY (A) and (B) will get +2 marks; choosing ONLY (A) and (D) will get +2 marks; choosing ONLY (B) and (D) will get +2 marks; choosing ONLY (A) will get +1 mark; choosing ONLY (B) will get +1 mark; choosing ONLY (D) will get +1 mark; choosing no option (i.e. the question is unanswered) will get 0 marks; and choosing any other combination of options will get -2 marks.

1. In the following reaction sequence, Q, R, S and T are the major products.



The correct statement(s) about Q, R, S and T is(are)

[JEE Advanced 2026 Paper 1]

- (A) S on warming with ammoniacal AgNO_3 results in the formation of silver mirror.
- (B) Q on treatment with Cl_2 (excess)/UV gives gammaxane.
- (C) T is a heterocyclic compound.
- (D) R on acid catalyzed intramolecular cyclization followed by treatment with Zn-Hg/HCl gives 9,10-dihydroxyanthracene.

Scan or tap for the full solution



Space for Rough Work

JEE ADVANCED ALDEHYDES, KETONES AND CARBOXYLIC ACIDS — KOLBE ELECTROLYSIS, FRIEDEL–CRAFTS ACYLATION, ROSENMUND REDUCTION — PYQS

Test Pattern : JEE (Advanced)

ANSWER KEY

SECTION-1

Ques.	1																	
Ans.	A, B, C																	