

PART 1 - CHEMISTRY

Topic : Organic chemistry – some basic principles and techniques

SECTION-B : (Maximum Marks : 8)

This section contains **ONE** paragraph.

Based on each paragraph, there are **TWO** questions.

The answer to each question is a **NUMERICAL VALUE**.

For each question, enter the correct numerical value of the answer (in decimal notation, truncated / rounded-off to the **SECOND DECIMAL PLACE**; e.g. 6.25, 7.00, -0.33, -0.30, 30.27, -127.30) in the place designated to enter the answer.

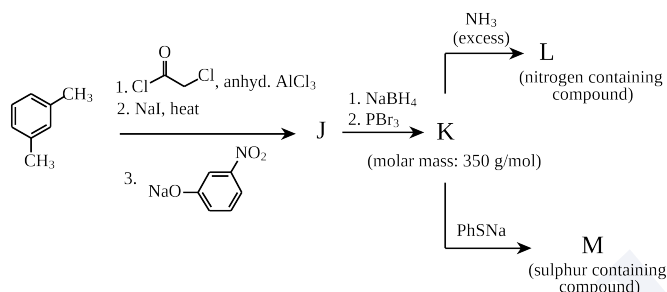
Answer to each question will be evaluated according to the following marking scheme :

Full Marks : +4 If **ONLY** the correct answer is entered;

Zero Marks : 0 In all other cases.

Paragraph for Questions 1 and 2

Consider the following reaction sequence in which J, K, L and M are the major products.



Given:

Atomic mass (in amu): H : 1, C : 12, N : 14, O : 16, S : 32, Br : 80, Ba : 137

1. The volume of 1 M aqueous H_2SO_4 required to completely neutralize the ammonia evolved from 5.72 g of L in Kjeldahl's method of nitrogen estimation is ____ mL.

[JEE Advanced 2026 Paper 2]

Scan or tap for the full solution 

2. In sulphur estimation by Carius method, the amount of BaSO_4 formed from 3.79 g of M is ____ g.

[JEE Advanced 2026 Paper 2]

Scan or tap for the full solution 

Space for Rough Work

**JEE ADVANCED ORGANIC CHEMISTRY – SOME BASIC
PRINCIPLES AND TECHNIQUES — CARIUS METHOD
— PYQS**

Test Pattern : **JEE (Advanced)**

ANSWER KEY

SECTION-B

[illegible]