PART 1 - CHEMISTRY

Topic : Organic chemistry – some basic principles and techniques

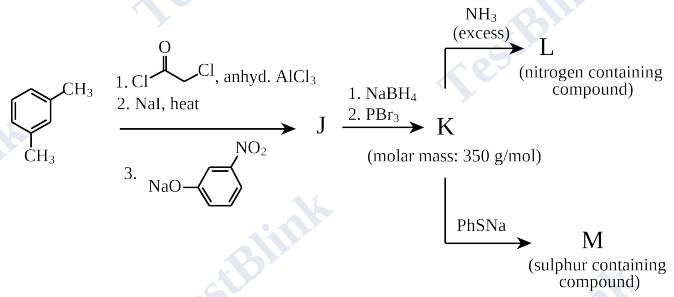
SECTION–B : (Maximum Marks : 8)

- 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, −.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

PYQSide

TEST SERIES
(Academic Session : 2026-2027)

JEE ADVANCED ORGANIC CHEMISTRY – SOME BASIC PRINCIPLES AND TECHNIQUES — KJELDAHL'S METHOD — PYQS

Test Pattern : **JEE (Advanced)**

ANSWER KEY

SECTION–B																											
Ques.	1	2																									
Ans.	**10**	**2.33**																									

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